

REPORTER'S RECORD
VOLUME 36 OF 36 VOLUMES
TRIAL COURT CAUSE NO. 0885306D

THE STATE OF TEXAS X IN THE DISTRICT COURT
VS. X TARRANT COUNTY, TEXAS
BILLY JACK CRUTSINGER X 213TH JUDICIAL DISTRICT

EXHIBITS

FILED IN
COURT OF CRIMINAL APPEALS

AUG 26 2004

Troy C. Bennett, Jr., Clerk

ORIGINAL

APPEARANCES

HONORABLE MICHELE HARTMANN SBOT NO.09167800
and

HONORABLE LISA CALLAGHAN SBOT NO. 0116700
Assistant District Attorneys
401 W. Belknap
Fort Worth, Texas 76196
Phone: (817) 884-1700

FOR THE STATE

HONORABLE WILLIAM H. RAY SBOT NO. 16608700
5041 Airport Freeway
Fort Worth, Texas 76117
Phone: 817-831-8383

And

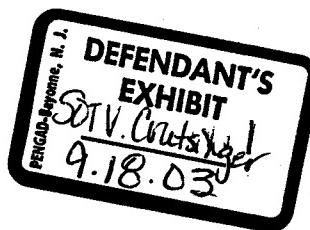
HONORABLE TIM MOORE SBOT NO. 14378300
115 West 2nd Street
Suite No. 202
Fort Worth, Texas 76102
817-332-3822

FOR THE DEFENDANT

EXHIBIT INDEX FOR VOLUME 36
DEFENDANT'S EXHIBITS

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SW-11397



CITY OF FORT WORTH)(

COUNTY OF TARRANT)(

STATE OF TEXAS)(

THE STATE OF TEXAS to the Sheriff or any peace officer of Tarrant County, Texas, or any peace officer of the State of Texas,

GREETINGS:

WHEREAS, the affiant, J.T. McCaskill I.D. 1895, of the Fort Worth Police Department, whose signature is affixed to the affidavit appearing on the reverse hereof is a peace officer under the laws of Texas and did heretofore this day subscribe and swear to said affidavit before me (which said affidavit is by this reference incorporated herein for all purposes), and whereas I find that the verified facts stated by affiant in said affidavit show that affiant has probable cause for the belief he expresses therein and establishes the existence of proper grounds for the issuance of this warrant:

NOW, THEREFORE, you are commanded to forthwith transport Billy J. Crutsinger to an appropriate facility and there have qualified personnel to obtain epithelial cell samples from Billy J. Crutsinger in accordance with accepted medical practices and you will seize the same and bring before me a Schedule of Evidence Seized at my office, situated in Tarrant County, Texas, in the City of Fort Worth at the address given below, within three days, exclusive of the day of its execution, with your return thereon, showing how you have executed the same.

HEREIN FAIL NOT and due return make hereof to me at the time and place named.

ISSUED at 10:35 o'clock, A.M., on this the 26 day of Aug 2003, to certify which witness my hand this day.

A handwritten signature in black ink, appearing to read "Shallow".

Judge, Tarrant County, Texas

A handwritten signature in black ink, appearing to read "Judge, COC#".
Below the signature, the text "Title and Office" is written.
Handwritten text above the signature area reads "Title _____" and "S: _____ Deputy".

FILED
THOMAS A. WILDER, DIST. CLERK
TARRANT COUNTY, TEXAS

AUG 26 2003

Time 10:40
S: Deputy

AFFIDAVIT TO SEARCH FOR AND SEIZE EVIDENCE

CITY OF FORT WORTH)(

FILED
THOMAS A. WILDER, DIST. CLERK
TARRANT COUNTY, TEXAS
Page 1 of 4

COUNTY OF TARRANT)(

AUG 26 2003

STATE OF TEXAS)(

Time 10:40
By DJ Deputy

Before me, the undersigned authority, on this day personally appeared Affiant, John McCaskill, a police officer for the Fort Worth Police Department, for the City of Fort Worth, Tarrant County, Texas, who after being duly sworn on oath deposes and says: My name is J.T. McCaskill, 1895, Detective, Fort Worth Police Department, and I have good reason to believe and do believe that on or about the 6th day of April, 2003, in Tarrant County, Texas Billy J. Crutsinger, white male, date of birth October 5th, 1954, did then and there commit the offense of Capital Murder(multiple victims) in that he did then and there intentionally cause the death of an individual, Patricia Syren [REDACTED] stabbing her multiple times with a knife or cutting instrument and by cutting her throat and did then and there cause the death of an individual, Pearl Magouirk by stabbing her multiple times with a knife or cutting instrument and cutting her throat and both murders were committed during the same criminal transaction. My belief is based upon the following facts and information which I personally discovered or which were told to me by persons who were credible and reliable:

- A. On April 8, 2003 at approximately 1913 hours you affiant, assigned to the Fort Worth Police Department Homicide Unit, was contacted by police communications. Your affiant was advised a double homicide was discovered at 2716 Scott Avenue, Fort Worth, Tarrant County, Texas. Affiant responded to the scene, arriving at approximately 1940 hours.
- B. Affiant noted that several marked patrol cars and uniformed police personnel were on the scene. Yellow crime scene tape was stretched across the front yard of 2716 Scott Avenue. Your affiant's attention was directed to a white female at the scene identified as April Syren. Affiant learned that she was the goddaughter of Patricia Syren, whom affiant learned was one of two deceased elderly female victims who were located inside the house. Affiant learned from uniformed patrol personnel on the scene and/or April Syren that April Syren had come to the residence to check on the welfare of her godmother, Patricia Syren and Patricia Syren's mother, Pearl Magouirk. Your affiant learned from uniformed patrol personnel that April Syren had told them the following: that when she arrived at the residence, she approached the front door and noted the storm door was unlocked and the keys were inside the lock. The front door, situated behind the storm door, was locked. Syren took the keys from the inside lock of the storm door and unlocked the front door with it and opened it. She then observed items on the floor that made it appear that some type of disturbance had occurred. Affiant learned that April Syren told uniformed police personnel on the scene that she then went to a neighbor, Robert Greer, and requested assistance. Mr. Greer entered the residence and observed apparent blood on the floor of the entryway just inside the front door; he then observed the bodies of Patricia Syren and Pearl Magouirk, whom he knew, and had last seen alive April 6, 2003, lying in a hallway adjacent to the living room of the residence. Mr. Greer then exited the residence and emergency personnel were called to the scene. Uniformed officers from the Fort Worth Police Department responded and established contact with your affiant, to whom they related this information. Affiant also noted that the information from April Syren and Mr. Greer appeared to be consistent with each other and with information obtained from police personnel on the scene and with affiant's own observation of the scene, and therefore appeared to be credible and reliable.

CITY OF FORT WORTH)(

Page 2 of 4

COUNTY OF TARRANT)(

STATE OF TEXAS)(

- C. Your Affiant then spoke to Crime Scene Search Officers Wilson and Walles, who are with the Fort Worth Police Department and are personally known to your Affiant. Your Affiant and these officers then went in the residence to begin the investigation. The investigation revealed that both victims in the house, Patricia Syren and Pearl Magouirk, had multiple stab wounds and their throats were also cut. Their deaths appeared to be contemporaneous, given their similar wounds and that one body appeared to be next to and on top of the other. It also appeared from the state of decomposition that the victims had been dead at least 24 hours. Your Affiant also learned during the investigation that a 1996 Cadillac was missing from the detached garage behind the Scott Avenue residence, and that this vehicle belonged to Patricia Syren. Patrol Personnel conducted a database check and found the license number of the vehicle. A broadcast was made through police communications in reference to the stolen vehicle. Police personnel were then notified that the vehicle was found abandoned in the parking lot at a bar at 3116 North Main, Tarrant County, Texas. It was processed for physical evidence and a significant amount of blood was located in the interior of the vehicle. The previous information was relayed to your affiant by Fort Worth Police personnel.
- D. Your Affiant, while in the residence on Scott Avenue observed numerous drops of blood in the entrance way to the house, in the living room and in the dining room of the house, which is adjacent to the hallway where the bodies were found. Your affiant observed drops of blood leading from the dining room into the kitchen and leading to a kitchen drawer containing towels. The trail appeared to stop at that point. Your affiant also observed in the detached garage where the Cadillac was kept a significant amount of blood on the floor in the approximate location where the driver's side door would be located in a car parked in that garage. This information led your affiant to believe that the person responsible for the victim's deaths was injured.
- E. In the house, Affiant also observed that a light was flashing on the telephone base. The telephone was located in the hall where the bodies were found. Affiant noted this light indicated messages were left on the answering machine feature of the phone. Affiant listened to these messages. One was a message for Patricia Syren from an individual named "Tony" asking her to verify some charges on her Morgan Stanley Mastercard Account. "Tony" left a telephone number for the victim to return his call. Affiant called this number and was able to reach personnel that told affiant this was a third party fraud detection service contracted with Mastercard. Affiant learned from this service that numerous charges had been made on the victim's card in the last 48 hours. Affiant also learned that a hotel room at the Seahorse Inn in Galveston, Texas was rented using the card in the early morning hours of April 8, 2003, and at a liquor store on the evening of April 8, 2003. Affiant then surmised that given the state of decomposition of the victims and the fact that Mr. Greer had last seen them on Sunday, April 6, 2003 at their home, that someone else had been using Patricia Syren's credit card. Affiant notified Sgt. J.D.Thornton of these facts. Sgt. Thornton subsequently contacted the Galveston Police Department and notified them of these facts. Your Affiant and Det. M.M. Hardy, ID #2151, then proceeded to Galveston, Texas.
- F. Affiant then learned as follows from Police Officers of the Galveston, Texas Police Department: that Officer Simpson, a police Officer with the Galveston Police Department, proceeded to the Seahorse Inn and spoke with the night manager, Daniel Teo, who was personally known to them. Officer Contenta of the Galveston Police Department also arrived and spoke with Mr. Teo. They discovered that Patricia Syren's credit card had been used by a white male to rent room number 101. This person identified himself on the

CITY OF FORT WORTH)(

Page 3 of 4

COUNTY OF TARRANT)(

STATE OF TEXAS)(

registration card as "David Jones". Mr. Teo told Officer Contenta that the person renting this room had arrived by Yellow Cab and appeared to have been drinking at Club 23, which is located in the same building as the nearest Yellow Cab stand. The Officers went to Room 101, which appeared to have been abandoned as there were no personal possessions in the room and the key had been left inside. However, a Lay's potato chip bag with a residue of chili and cheese had been left inside the room. The Officers were aware of which nearby convenience stores served food of that nature. Officer Simpson then went to the Diamond Shamrock convenience store, close to the Seahorse Inn, and talked to the store clerk, Loretta Rouse, who stated that a white male had tried to purchase a chili cheese dog and chips with a credit card, but the credit card had been declined. The clerk then stated that the male paid in cash and left. She described the man with the card as a white male, 25-35 y.o.a., with a yellow shirt. Officer Contenta proceeded to the Yellow Cab stand, where he spoke to the dispatcher. She indicated they had a person walk in and requested service at 1:19 a.m. according to their log. The dispatcher broadcast this information in an attempt to learn who had picked up this fare. The individuals who would have personal knowledge of this were not on duty at the time and so the officers agreed to return and pursue this information later. Officer Simpson notified Affiant's Police Department of this information

G. Officer C. Garcia Jr. of the Galveston Police Department was notified at approximately 11:15 the next morning that Driver Donald Epps of Yellow Cab wanted to speak to him. Mr Epps, who was known to him, related he had picked up a fare fitting the suspect description at the Waffle House on 61st Street and had taken him to Tony's Lazy Lounge. This person was a white male in a white Joe's Crab Shack tee shirt, blue jeans, a red hat, glasses who said he was from Dallas, Texas. Mr. Epps also passed on information from another cab driver that he had driven the same individual to the Elbow Room. Both of these bars were on Galveston Island. Officer C. Garcia III of the Galveston Police Department then went to these bars in an attempt to locate the suspect. He and other Galveston officers went to the Elbow Room, but no one was there. They notified the bartender of the description of their suspect. While at another bar, the bartender at the Elbow Room called to say she remembered seeing the individual in question, and that he was a white male in his mid-forties, with wavy gray hair, about 220-250 lbs. with a pot-belly, and dressed in blue jeans, the Joe's Crab Shack tee-shirt and brand new white tennis shoes. Officer Garcia then remembered that he had seen a man fitting that description shortly before when he had looked in Tony's Lazy Lounge, but had discounted him because he seemed too old. Officer and because he had been told by the bartender that person was a "regular". Officer Garcia III returned to Tony's Lazy Lounge and saw Billy Jack Crutsinger in the bar. Mr. Crutsinger appeared to be in his mid-forties, with wavy gray hair, wearing a Joe's Crab Shack tee-shirt, new-looking white tennis shoes and blue jeans. He also appeared to have a fairly recent cut on his finger. Officer Garcia III asked him his name, and he refused to answer and cut his eyes towards the door. It appeared as though he was looking for an exit to Officer Garcia III. Officer Garcia III then detained this individual.

H. That your affiant is requesting that a search warrant be issued to collect epithelial cell samples (buccal swabs) from Billy J. Crutsinger for the purposes of making a DNA comparison with Crutsinger's DNA and blood left on the scene of this offense that your affiant believes was left by the actor. Your affiant is aware that modern scientific testing procedures are available that will allow this comparison to be made. Your affiant further believes such testing is necessary in the investigation of this offense.

CITY OF FORT WORTH)(

COUNTY OF TARRANT)(

STATE OF TEXAS)(

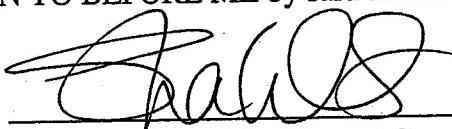
WHEREFORE, I ask this Court to Order, 1) the Sheriff of Tarrant County to make Billy Jack Crutsinger, presently housed in the Tarrant County Jail, available to appropriate personnel for the purpose of taking buccal cell samples from the interior of his cheeks in accordance with accepted medical practices.

WITNESS BY SIGNATURE this the 26th day of August, 2003.

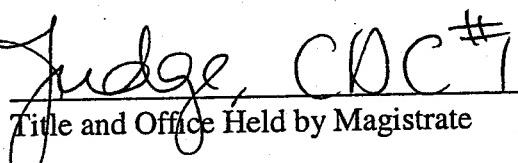

John J. McCall

Affiant

SUBSCRIBED AND SWORN TO BEFORE ME by said affiant on this the 26 day of Aug, 2003.



Magistrate in and for Tarrant County Texas


Judge, COTC #1

Title and Office Held by Magistrate

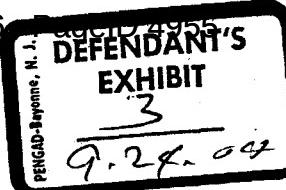
DEFENDANT'S EXHIBIT NO. 2

Box

Available from District Clerk upon request.

ME-79 GPC-2040
REV. 1/01

OFFICE OF THE CHIEF MEDICAL EXAMINER
TARRANT COUNTY MEDICAL EXAMINER'S DISTRICT
200 FELIKS GWOZDZ PLACE
FORT WORTH, TEXAS 76104-4949
(817) 920-5700 FAX (817) 920-5714



CHAIN OF CUSTODY FORM

Date of submission 4/14/03
Offense Number 03038339
Crime Lab Number
Victim Name Pearl Moayoure
Contact Person & Phone Number:

Date of Offense 4/8/03
M.E. I.D. Number 0303340
Type of Offense Homicide
Suspect Name Related C.H.
Agency Name and Address: 0303339
Fr. Worth PD

No.	Quant.	Description of Articles
13		Blood - Periodium
14		Blood - General
15		Finger prints + Palm prints
16		Blood Card
17		Tissue in Formalin
18		Criminalistic Evidence
18.1		Vaginal Smear
18.2		Oral Smear
18.3		Oral Smear
18.4		Vaginal Swabs
18.5		Oral Swabs
18.6		Oral Swabs
18.7		Per-Oral Swabs
18.8		Pulled Scalp Hair
18.9		Combed Pubic Hair
18.10		Pulled Scalp Hair
19		Clothing
19.1		Blue Jeans
19.2		White Bloody Blouse
19.3		White Bloody T-Shirt
19.4		Tan Panties
19.5		Pair of Tan Bloody Shoes
19.6		Left Blood Stain Tennis Shoe

SPECIAL REQUESTS: 19.7 Light Blue Nighties - Bloody
20 Redden. True Blood
21 Blood - EDTA

OFFICE OF THE CHIEF MEDICAL EXAMINER
 TARRANT COUNTY MEDICAL EXAMINER'S DISTRICT
 200 FELIKS GWODZ PLACE
 FORT WORTH, TEXAS 76104-4949
 (817) 920-5700 FAX (817) 920-5714

CHAIN OF CUSTODY FORM

Date of submission 4/14/03
 Offense Number D3038339
 Crime Lab Number _____
 Victim Name Patricia Syren
 Contact Person & Phone Number: _____

Date of Offense 4/8/03
 M.E. I.D. Number 0303339
 Type of Offense Homicide
 Suspect Name _____
 Agency Name and Address:
FWPD

Ex. No.	Quant.	Description of Articles
14		Blood - Chest Cavity
15		Blood - Femoral
16		Tissue In Formalin
17		Fingerprints & Palm prints
18		Criminalistic Evidence
18.1		Blood - Red Fox Tail
18.2		Blood - Purple Fox Tail
18.2		Oral Smear
18.4		Vaginal Smear
18.5		Oral Smear
18.6		Oral Smears
18.7		Vaginal Smears
18.8		Oral Smears
18.9		Perc. Oral Smears
18.10		Pulled Pubic Hair
18.11		Combed Pubic Hair
18.12		Pulled Scalp Hair
19		Clothing
19.1		Light Blue Shorts (Bloody)
19.2		Boy Blood T Shirt
19.3		Jon Bra (Bloody)
19.4		Jon Panties (Bloody)
19.5		Left White Senns. Shoe (Bloody)

SPECIAL REQUESTS: DO Blood Card

**OFFICE OF THE CHIEF MEDICAL EXAMINER
TARRANT COUNTY MEDICAL EXAMINER'S DISTRICT**

200 FELIKS GWOZDZ PLACE
FORT WORTH, TEXAS 76104-4949
(817) 920-5700 FAX (817) 920-5714

CHAIN OF CUSTODY FORM

Date of submission 7-16-03
Offense Number
Crime Lab Number (Q3B3339) ^{Q303340}
Victim Name Syren, Patricia/Maqvirk, Pearl
Contact Person & Phone Number:
Det. John McCaskill 817-877-8225
(for Michelle Hartmann, DA's Office)
Date of Offense 4-8-03
M.E. I.D. Number
Type of Offense Capital Murder
Suspect Name Crutsinger, Billy J.
Agency Name and Address:
FWD, 350 W. Belknap St.
Ft. Worth, Tx 76102

SPECIAL REQUESTS:

OFFICE OF THE CHIEF MEDICAL EXAMINER
703-Y Document 87-3 Filed 11/03/17 Page 14 of 19
TARRANT COUNTY MEDICAL EXAMINER'S DISTRICT

200 FELIKS GWOZDZ PLACE
FORT WORTH, TEXAS 76104-4949
817-920-5700 FAX 817-920-5713
CHAIN OF CUSTODY FORM

CHAIN OF CUSTODY FORM

Date of Submission: _____
Date of Offense: 8 April 03
Crime Lab Number: 0303339 / 10303340
ME Number: _____
Agency, Address & Phone Number: _____

Offense Number: _____
Type of Offense: Nomicides
Victim: Patricia Syren & Pearl Magouirk
Suspect(s): _____

Contact Name & Phone Number:

EVIDENCE RECEIVED

Case 4:07-cv-00703-Y Document 87-3 Filed 11/03/17 Page 13 of 196 PageID 4959
BLOOD SWATCHES

030313 (cm)

M. E. Number	Drs. Int.	Date	For Laboratory Use
0303313			
0303315			
0303323			
0303326			
0303328			
0303337	0303338		
0303339			- retained frozen 6/26/03 (cm)
0303340			- retained frozen 6/26/03 (cm)
0303341			
0303351			
0303389			
0303401			
0303404			
0303407			
0303430			
0303436			
0303438			
0303439			
0303440			

Received By:

CWD

cc:

445-03

**200 FELIKS GWOZDZ PLACE
FORT WORTH, TEXAS 76104-4949
817-920-5700 FAX 817-920-5713
CHAIN OF CUSTODY FORM**

Date of Submission: _____

Offense Number: 03038339

Date of Offense: _____

Type of Offense: Homicides

Crime Lab Number: 0303339 & 0303340

Victim: Patricia Syron / Pearl Maguire

ME Number: _____

Suspect(s): Billy Crutsinger

Agency, Address & Phone Number:

Contact Name & Phone Number:

TARRANT COUNTY MEDICAL EXAMINER'S DISTRICT
200 FELIKS GWODZ PLACE - FORT WORTH, TX 76104-4919

Chain of Custody Form

Date of Submission 27 Aug 03
Offense Number 03038339
Type of Offense Homicides
Date of Offense _____
Agency & Address:
FWD, 350 W Belknap St.,
Ft. Worth, TX. 76102

T.C.M.E. Number 03 03339
Victim Name Patricia Syren
Suspect (s) Billy Crutsinger
Contact Name & Phone Number:
Det. John McCaskill for Michelle Hartmann, DA's Office

Exhibit # (TCME Use Only)	Quantity	Description of Articles
52	1	Buccal Swab Kit from Billy J. Crutsinger

Exhibit # (s) (TCME Use Only)	Date / Time	Relinquished By:	Received By:
52	8-27-03 0948	Print: John McCaskill Sign: <i>John McCaskill</i>	Print: C. Van Winckle Sign: C. Van Winckle
52 Packaging	9/3/03 1339	Print: C. Van Winckle Sign: <i>C. Van Winckle</i>	Print: Rgy - All Sign: <i>Rgy - All</i>
		Print:	Print:
		Sign:	Sign:
		Print:	Print:
		Sign:	Sign:
		Print:	Print:
		Sign:	Sign:
		Print:	Print:
		Sign:	Sign:
		Print:	Print:
		Sign:	Sign:

REQUESTS:

OFFICE OF THE CHIEF MEDICAL EXAMINER

TARRANT COUNTY MEDICAL EXAMINER'S DISTRICT

200 FELIKS GWOZDZ PLACE

FORT WORTH, TEXAS 76104-4949

817-920-5700 FAX 817-920-5713

CHAIN OF CUSTODY FORM

Date of Submission: 8-28-03

Date of Offense: 4-8-03)

'Crime Lab Number: 200-1000 *(few)*

ME Number: 0303340 ✓ 0303339

Agency, Address & Phone Number:

FWD 350 W. Belknap St., FW Tx 76102

817-897-8225 for CDA's Office

Offense Number: 03038339

Type of Offense: Cap. Murder

Victim: Syren Patricia Maguire, teal

Suspect(s): Cutsinger, Billy

Contact Name & Phone Number: [REDACTED]

Det. John McCaskill for Michelle

Exhibit #	Quantity	Description of Articles	
18.1 & 18.4	few	Vaginal swabs and smear from Pearl Magovink	
18.2		Oral " " " "	
18.3 & 18.6		Anal " " " "	
18.7		Perianal swabs from Pearl Magovink	
18.9		Combed pubic hair " " "	
18.8 & 18.10		Pulled " " " "	
18.8		Pulled scalp hair " " "	
18.7 & 18.4		Vaginal swabs and smear from Patricia Syren	
18.3		Oral " " " "	
18.5 & 18.6		Anal " " " "	
18.9		Perianal swabs from Patricia Syren	
18.11		Combed Pubic hair " " "	
Exhibit #	Date / Time	Relinquished By Print _____ Sign _____	Received By Print _____ Sign _____
	8-28-03 0940	John McGaskill John. McGaskill	Traci Wilson Traci Wilson
18.1 - 18.9 3340 18.10	8-28-03 1050	T. Wilson T. Wilson	C. Van Winkle C. Van Winkle
18.1 - 18.9 18.10	9-18-03 1420	C. Van Winkle C. Van Winkle	R66 - D.L R66 - D.L
18.3 - 18.2 18.3 - 18.2	9-18-03 1420	C. Van Winkle C. Van Winkle	R66 - D.L R66 - D.L
		Print _____ Sign _____	Print _____ Sign _____
		Print _____ Sign _____	Print _____ Sign _____
		Print _____ Sign _____	Print _____ Sign _____
		Print _____ Sign _____	Print _____ Sign _____

**OFFICE OF THE CHIEF MEDICAL EXAMINER
TARRANT COUNTY MEDICAL EXAMINER'S DISTRICT**

200 FELIKS GWOZDZ PLACE
FORT WORTH, TEXAS 76104-4949
817-920-5700 FAX 817-920-5713
CHAIN OF CUSTODY FORM

- Page 2

Date of Submission: 8-28-03
Date of Offense: 4-8-03
Crime Lab Number: 0303329 (cm)
ME Number: J
Agency, Address & Phone Number:
FWD 350 W. Belknap St., FW Tx. 76102
817-877-8225 for the D.A.'s Office

Offense Number: 03038339
Type of Offense: Cap. Murder
Victim: Syren, Patricia / Maquirk, Pearl
Suspect(s): Crutinger, Bill

Contact Name & Phone Number:
Dr. John McCaskill for Michelle Hartman, ADA

Exhibit #	Quantity	Description of Articles
18.10		Pulled Pubic hair from Patricia Syren) 0303339
18.12		Pulled scalp hair " " CWW

Item #	Date / Time	Relinquished By	Received By
	8-28-09 09:55 0940	Print John McEachern Sign John J. McEachern	Print Traci Wilson Sign Traci Wilson
18.3 - 18.12	8-28-03- 1050	Print Traci Wilson Sign Traci Wilson	Print C. Van Winkle Sign C. Van Winkle
18.3-18-12	9/8/03 1420	Print C. Van Winkle Sign C. Van Winkle	Print RCG - D/H Sign D/H
		Print _____ Sign _____	Print _____ Sign _____
		Print _____ Sign _____	Print _____ Sign _____
		Print _____ Sign _____	Print _____ Sign _____
		Print _____ Sign _____	Print _____ Sign _____

OFFICE OF THE CHIEF MEDICAL EXAMINER

Case 4:07-cv-00700 Document 87-1 Filed 01/12/08 Page 196 of 196 PageID 4964

200 FELIX GWOZDZ PLACE
 FORT WORTH, TEXAS 76104-4949
 817-920-5700 FAX 817-920-5713
CHAIN OF CUSTODY FORM

Date of Submission: 6-26-03
 Date of Offense: 4-8-03
 Crime Lab Number:
 ME Number: 0303339 (WV)
 Agency, Address & Phone Number:
FWD 817-877-8225
(For Tarrant Co. DA's Office)

Offense Number: 0303339
 Type of Offense: Capital Murder
 Victim: Patricia (Sue) Pearl Maguire
 Suspect(s): Billy J. Crutinger
 Contact Name & Phone Number:
Det. John McCaskill 817-877-8225

Exhibit #	Quantity	Description of Articles
21	1	Buccal Swab Kit (from Billy Crutinger.)
22	1	Sealed envelope with: 8 apparent blood samples and control samples (Items 1-8)
23		4 apparent blood samples and control samples (Items 11-14)
24		2 apparent blood samples and control samples (Items 23-24)
25	1	Sealed sack containing 16 swabs, one sample from drivers door frame, one control (distilled water), one seat belt
26	1	Sealed envelope containing one knife blade
27	1	Sealed box containing 4 white socks, 1 denim shirt, 1 gray T-shirt, 1 white tank, 1 pair cut-off blue jeans, 2 denim cuttings

Exhibit #	Date/ Time	Relinquished By	Received By
	6-26-03 1045	Print <u>John McCaskill</u> Sign <u>John McCaskill</u>	Print <u>P. Elftsmid</u> Sign <u>P. Elftsmid</u>
21-32	6/26/03 C1445	Print <u>P. Elftsmid</u> Sign <u>P. Elftsmid</u>	Print <u>C. Van Winckle</u> Sign <u>C. Van Winckle</u>
26-22.8, 24.1, 24.2, 23.5-23.8 24.3-24.4 25.1-25.5	7/1/03 0945	Print <u>C. Van Winckle</u> Sign <u>C. Van Winckle</u>	Print <u>Lynn Mitchell</u> Sign <u>Lynn Mitchell</u>
25.6-25.10 Packaging only	9/23/03 0945	Print <u>C. Van Winckle</u> Sign <u>C. Van Winckle</u>	Print <u>MC Ball 2809</u> Sign <u>MC Ball 2809</u>
		Print _____ Sign _____	Print _____ Sign _____
		Print _____ Sign _____	Print _____ Sign _____

OFFICE OF THE CHIEF MEDICAL EXAMINER

Case 4:07-cv-00702 Document 87 Filed 11/03/17 Page 19 of 196 PageID 4965

200 FELIKS GWOZDZ PLACE
FORT WORTH, TEXAS 76104-4949
817-920-5700 FAX 817-920-5713
CHAIN OF CUSTODY FORM

CHAIN OF CUSTODY FORM

Date of Submission: 7-8-03
Date of Offense: 4-8-03
Crime Lab Number: 0303339 (un)
ME Number:
Agency, Address & Phone Number:
Fort Worth Police Dept. (817) 877-8005
Ft. Tarrant Co. D.A. Office
Michelle Hartmann

Offense Number: 03038339
Type of Offense: Capital Murder
Victim: Patricia Syren / Pearl Magovirk
Suspect(s): Billy J. Cattsinger

Contact Name & Phone Number:
Det. John McCaskill
(817) 877-8225

CERTIFICATE OF ANALYSES

OFFICE OF CHIEF MEDICAL EXAMINER
CRIMINALISTICS LABORATORIES
200 FELIKS GWOZDZ PLACE
FORT WORTH, TEXAS 76104

NIZAM PEERWANI, M.D., DABFP
CHIEF MEDICAL EXAMINER
RONALD L. SINGER, M.S.
CRIME LABORATORY DIRECTOR

FORENSIC BIOLOGY / DNA LABORATORY

NAMES: Patricia Syren
Pearl Magouirk

CRIME LAB #: 0303339
Related Crime Lab #: 0303340

OFFENSE: Homicides

PRIORITY: 1

REQUESTED BY: Detective John McCaskill
Michele Hartmann – T.C.D.A.

Fort Worth P. D. Service #: 03038339

DATES OF REQUEST: June 26, July 8 & 16, August 27, 2003

DATE OF COMPLETION: September 3, 2003
Previous Report: July 23, 2003

DNA ANALYST: Carolyn Van Winkle

EVIDENCE RECEIVED:

Received from the Tarrant County Medical Examiner (T.C.M.E.) Morgue on April 15, 2003:

- 16 (0303340): Autopsy blood sample (FTA) – Pearl Magouirk
20 (0303339): Autopsy blood sample (FTA) – Patricia Syren

Received from the T.C.M.E. Evidence Custodian on June 26, 2003:

- 19.1 (0303340): Jeans (autopsy clothing) in a sealed sack
19.3 (0303340): White top (autopsy clothing) in a sealed sack

19.1 (0303339): Blue shorts (autopsy clothing) in a sealed sack

19.2 (0303339): Light gray T-shirt (autopsy clothing) in a sealed sack

Sealed envelope containing #'s 22, 23 & 24:

22.1 (0303339): Stained wipe in an envelope labeled "sample #1"

22.2 (0303339): Stained wipe in an envelope labeled "sample #2"

22.3 (0303339): Stained wipe in an envelope labeled "sample #3"

22.4 (0303339): Stained wipe in an envelope labeled "sample #4"

22.5 (0303339): Stained wipe in an envelope labeled "sample #5"

22.6 (0303339): Stained wipe in an envelope labeled "sample #6"

22.7 (0303339): Stained wipe in an envelope labeled "sample #7"

22.8 (0303339): Stained wipe in an envelope labeled "sample #8"

22.9 - 22.16 (0303339): Eight envelopes labeled "control #1", "control #2",
"control #3", "control #4", "control #5", "control #6",
"control #7", "control #8"

23.1 (0303339): Stained wipe in an envelope labeled "sample #11"

23.2 (0303339): Stained wipe in an envelope labeled "sample #12"

23.3 (0303339): Stained wipe in an envelope labeled "sample #13"

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- 23.4 (0303339): Stained wipe in an envelope labeled "sample #14"
23.5 - 23.8 (0303339): Four envelopes labeled "control #11", "control #12",
"control #13", "control #14"
24.1 (0303339): Stained wipe in an envelope labeled "sample #23"
24.2 (0303339): Stained wipe in an envelope labeled "sample #24"
24.3 - 24.4(0303339): Two envelopes labeled "control #23" and "control #24"
Sealed sack containing # 25 from vehicle:
25.1 (0303339): Swab in a sealed envelope labeled "item #1"
25.2 (0303339): Swab in a sealed envelope labeled "item #2"
25.3 (0303339): Swab in a sealed envelope labeled "item #3"
25.4 (0303339): Swab in a sealed envelope labeled "item #4"
25.5 (0303339): Swab in a sealed envelope labeled "item #5"
25.6 (0303339): Swab in a sealed envelope labeled "item #6"
25.7 (0303339): Swab in a sealed envelope labeled "item #7"
25.8 (0303339): Swab in a sealed envelope labeled "item #8"
25.9 (0303339): Swab in a sealed envelope labeled "item #9"
25.10 (0303339): Swab in a sealed envelope labeled "item #10"
25.11 (0303339): Swab in a sealed envelope labeled "item #11"
25.12 (0303339): Swab in a sealed envelope labeled "item #12"
25.13 (0303339): Swab in a sealed envelope labeled "item #13"
25.14 (0303339): Swab in a sealed envelope labeled "item #14"
25.15 (0303339): Swab in a sealed envelope labeled "item #15"
25.16 (0303339): Swab in a sealed envelope labeled "item #16"
25.17 (0303339): Swab in a sealed envelope labeled "item #17"
25.18 (0303339): Swab in a sealed envelope labeled "item #18 control"
25.19 (0303339): Portion of seat belt in a sealed sack labeled "item #19..."
Sealed box containing #s 26 - 31clothing:
26 (0303339): Sealed sack labeled "#1"
27 (0303339): Denim shirt in a sealed sack labeled "#2"
28 (0303339): Gray T-shirt in a sealed sack labeled "#3"
29 (0303339): Sealed sack labeled "#4"
30 (0303339): "Wrangler" jeans in a sealed sack labeled "#5"
31 (0303339): Sealed sack labeled "#6"
32 (0303339): Bent knife blade in a sealed envelope

Obtained by Carolyn Van Winkle on July 8, 2003 in the presence of Detective John McCaskill:
33 (0303339): Swabs (2) from tile in sack labeled "Item 17A"

Received from the T.C.M.E. Evidence Custodian on July 17, 2003:
51 (0303339): Watch inside sealed sacks / bags

Received from Detective John McCaskill on August 27, 2003:
52: (0303339): Swabs (2) in a sealed envelope labeled "...Crutsinger, Billy
8-27-03..."

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RESULTS:

Presumptive testing for blood was positive on items 19.1 (0303340) jeans, 19.3 (0303340) top, 19.1 (0303339) shorts, 19.2 (0303339) T-shirt, 22.1 - 22.6, 22.9 wipes, 23.1 - 23.4 wipes, 24.2 wipe, 25.6, 25.7, 25.9, & 25.10 swabs, 27 shirt, 28 T-shirt, 30 jeans, and 32 knife.

Testing for the presence of human blood was positive on items 22.7, 22.8, 24.1 wipes, 25.8 swab, 25.19 seat belt, 27T₃ & 27₄ shirt, 30T₂ & 30T₃ jeans and 33 tile swab.

Blood was not detected on item 51 watch.

No analysis was conducted on items 22.10 - 22.16, 23.5 - 23.8, 24.3 - 24.4, 25.1 - 25.5, 25.11 - 25.18, 26, 29, and 31.

Human DNA was recovered and quantified from the following items:

CL# 0303340: 19.1T₁ jeans, 19.3T₁ top & 16 Pearl Magouirk's autopsy blood
CL# 0303339: 19.1T₁ shorts, 19.1T₂ shorts, 19.2T₁ T-shirt, 20 Patricia Syren's autopsy blood, 52 Billy Crutsinger's swabs, 22.7 drawer, 22.8 garage, 24.1 dishwasher, 25.8 steering wheel, 25.19 seat belt, 27T₁- 27T₄ shirt stains, 27T₅ shirt neck swabbing, 30T₁ & 30T₂ jean cutoffs pocket stains, 30T₃, 30T₄ & 30T₆ jean cutoffs stains, 32 knife blade, and 33 tile stain.

The recovered DNA was characterized through Polymerase Chain Reaction (PCR) with analysis of the Amelogenin locus for sex determination and the following Short Tandem Repeat (STR) loci: D3S1358, vWA, FGA, D8S1179, D21S11, D18S51, D5S818, D13S317, and D7S820.

Items from CL# 0303340: 19.1T₁ jeans & 16 Pearl Magouirk's autopsy blood and CL# 0303339: 19.1T₁ shorts, 20 Patricia Syren's autopsy blood, 52 Billy Crutsinger's swabs, 27T₄ shirt stains, 30T₁ & 30T₂ jean cutoffs pocket stains were also characterized at the additional STR loci: D16S539, TH01, TPOX, and CSF1PO.

CONCLUSIONS:

A single male DNA profile that matches the DNA profile obtained from Billy Crutsinger (item 52) was obtained from each of the following items:

CL# 0303340: 19.1T₁ Pearl Magouirk's jeans
CL# 0303339: 19.1T₁ Patricia Syren's shorts, 19.2T₁ Patricia Syren's T-shirt, 22.7 drawer, 22.8 garage, 24.1dishwasher, 25.8 steering wheel, 25.19 seat belt, 27T₁- 27T₃ shirt stains, 30T₃, 30T₄ & 30T₆ jean cutoffs stains, and 33 tile stain.

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A single female DNA profile that matches the DNA profile obtained from Patricia Syren (item 20) was obtained from items 19.3T₁ (0303340) Pearl Magouirk's top, 19.1T₂ (0303339) Patricia Syren's shorts, and 32 knife blade (0303339).

The DNA profile obtained from the denim shirt left front pocket stain, item 27T₄, is a mixture of DNA from at least two female contributors which correspond to alleles originating from both Patricia Syren (item 20) and Pearl Magouirk (item 16). Billy Crutsinger (item 52) is excluded as a contributor of this DNA.

The DNA profile obtained from the denim shirt collar, item 27T₅, is a mixture of DNA from at least two contributors. The major male DNA profile matches the DNA profile obtained from Billy Crutsinger (item 52). Minor DNA alleles detected at the loci D3S1358, vWA , D21S11, and D13S317 were consistent with having originated from Patricia Syren (item 20). A single minor DNA allele at the locus D8S1179 could not have originated from Patricia Syren, Billy Crutsinger, or Pearl Magouirk.

The DNA profile obtained from the jean cutoffs pocket stain, item 30T₁, is a mixture of DNA from more than two contributors. Male DNA was detected. This mixed DNA profile is consistent with having originated from Pearl Magouirk (item 16), Patricia Syren (item 20), and Billy Crutsinger (item 52). Results at the D18S51 locus were inconclusive.

The DNA profile obtained from the jean cutoffs pocket stain, item 30T₂, is a mixture of DNA from at least two contributors. Male DNA was detected. Alleles that correspond to those of Billy Crutsinger (item 52) were detected at all thirteen loci. Although additional alleles detected at the loci D3S1358, and TPOX correspond to those of Patricia Syren, results at the loci FGA, D8S1179, D21S11 and CSF1PO were inconclusive.

STATISTICAL DATA

The probability of selecting an unrelated individual having the same DNA profile as that obtained from items CL# 0303340: 19.1T₁, Pearle Magouirk's jeans and CL# 0303339: 19.1T₂, Patricia Syren's shorts (which each match Billy Crutisnger's DNA profile) is approximately:

1 in	86,600,000,000,000	in Caucasians
1 in	1,790,000,000,000,000	in African Americans
1 in	243,000,000,000,000	in Southwest Hispanics

Based on the DNA data obtained from the denim shirt left front pocket stain, item 27T₄, [which is consistent with having originated from both Patricia Syren (item 20) and Pearl Magouirk (item 16)], it is expected that at least 99.99% of unrelated individuals in each of the Caucasian, African American, and Hispanic populations are excluded as possible contributors to this mixture.

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Based on the DNA data obtained from the jean cutoffs pocket stain, item 30T₁, [which is consistent with having originated from Patricia Syren (item 20), Pearl Magouirk (item 16), and Billy Crutsinger (item 52)], it is expected that at least 99.8% of unrelated individuals in each of the Caucasian, African American, and Hispanic populations are excluded as possible contributors to this mixture.

CODIS ENTRY:

The DNA profile obtained from item CL# 0303340: 19.1T₁ jeans will be entered into the COmbed DNA Index System (CODIS), where it will be searched against casework databases (local, state, and national) and convicted offender databases (state and national). In the event of any significant matches, your agency will be notified.

DISPOSITION OF EVIDENCE:

Biology / DNA laboratory: CL#: (0303340) Items 19.1T₂ & 19.3T₂
CL#: (0303339) Items 22.1 - 22.6, 23.1 - 23.4, 24.2, 25.6,
25.7, 25.9, 25.10, 28T₁ - 28T₃ & 30T₅

Remaining items CL# 0303340: 19.1T₁, 19.3T₁, & 16
CL# 0303339: 19.1T₁, 19.1T₂, 19.2T₁, 20, 22.7, 22.8,
24.1, 25.8, 25.19, 27T₁- 27T₅, 30T₁-30T₄, 30T₆, 32, 33 & 52

TCME Evidence Custodian: CL#: (0303340): Items 19.1 & 19.3
CL#: (0303339): Items 19.1, 19.2, 22.9 - 22.16, 23.5 -23.8,
24.3 - 24.4, 25.1 - 25.5, 25.11 - 25.19, 26 - 31 & 51
Packaging only Items 22.1 - 22.8, 24.1, 23.1 - 23.4, 24.2 & 52

For additional inquiries or requests, please contact the DNA laboratory at 817-212-7026.

DNA ANALYST: Carolyn Van Winkle, M.S.

Carolyn Van Winkle

APPROVED BY: Ronald L. Singer, M.S.

Ronald L. Singer

CERTIFICATE OF ANALYSES

OFFICE OF CHIEF MEDICAL EXAMINER
CRIMINALISTICS LABORATORIES
200 FELIKS GWOZDZ PLACE
FORT WORTH, TEXAS 76104

NIZAM PEERWANI, M.D., DABFP
CHIEF MEDICAL EXAMINER
RONALD L. SINGER, M.S.
CRIME LABORATORY DIRECTOR

FORENSIC BIOLOGY / DNA LABORATORY

NAMES: Patricia Syren
Pearl Magouirk

CRIME LAB #: 0303339
Related Crime Lab #: 0303340

OFFENSE: Homicides

PRIORITY: 1

REQUESTED BY: Detective John McCaskill
Michele Hartmann – T.C.D.A.

Fort Worth P. D. Service #: 03038339

DATES OF REQUEST: June 26 & July 8 & 16, 2003

DATE OF COMPLETION: July 23, 2003

DNA ANALYST: Carolyn Van Winkle

EVIDENCE RECEIVED:

Received from the Tarrant County Medical Examiner (T.C.M.E.) Morgue on April 15, 2003:

- 16 (0303340): Autopsy blood sample (FTA) – Pearl Magouirk
20 (0303339): Autopsy blood sample (FTA) – Patricia Syren

Received from the T.C.M.E. Evidence Custodian on June 26, 2003:

- 19.1 (0303340): Jeans (autopsy clothing) in a sealed sack
19.3 (0303340): White top (autopsy clothing) in a sealed sack

19.1 (0303339): Blue shorts (autopsy clothing) in a sealed sack
19.2 (0303339): Light gray T-shirt (autopsy clothing) in a sealed sack
21. (0303339): Swabs (2) in a sealed envelope labeled "...Crutsinger, Billy..."
Sealed envelope containing #s 22, 23 & 24:
22.1 (0303339): Stained wipe in an envelope labeled "sample #1"
22.2 (0303339): Stained wipe in an envelope labeled "sample #2"
22.3 (0303339): Stained wipe in an envelope labeled "sample #3"
22.4 (0303339): Stained wipe in an envelope labeled "sample #4"
22.5 (0303339): Stained wipe in an envelope labeled "sample #5"
22.6 (0303339): Stained wipe in an envelope labeled "sample #6"
22.7 (0303339): Stained wipe in an envelope labeled "sample #7"
22.8 (0303339): Stained wipe in an envelope labeled "sample #8"
22.9 - 22.16 (0303339): Eight envelopes labeled "control #1", "control #2",
"control #3", "control #4", "control #5", "control #6",
"control #7", "control #8"

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- 23.1 (0303339): Stained wipe in an envelope labeled "sample #11"
23.2 (0303339): Stained wipe in an envelope labeled "sample #12"
23.3 (0303339): Stained wipe in an envelope labeled "sample #13"
23.4 (0303339): Stained wipe in an envelope labeled "sample #14"
23.5 - 23.8 (0303339): Four envelopes labeled "control #11", "control #12", "control #13", "control #14"
24.1 (0303339): Stained wipe in an envelope labeled "sample #23"
24.2 (0303339): Stained wipe in an envelope labeled "sample #24"
24.3 - 24.4(0303339): Two envelopes labeled "control #23" and "control #24"
Sealed sack containing # 25 from vehicle:
25.1 (0303339): Swab in a sealed envelope labeled "item #1"
25.2 (0303339): Swab in a sealed envelope labeled "item #2"
25.3 (0303339): Swab in a sealed envelope labeled "item #3"
25.4 (0303339): Swab in a sealed envelope labeled "item #4"
25.5 (0303339): Swab in a sealed envelope labeled "item #5"
25.6 (0303339): Swab in a sealed envelope labeled "item #6"
25.7 (0303339): Swab in a sealed envelope labeled "item #7"
25.8 (0303339): Swab in a sealed envelope labeled "item #8"
25.9 (0303339): Swab in a sealed envelope labeled "item #9"
25.10 (0303339): Swab in a sealed envelope labeled "item #10"
25.11 (0303339): Swab in a sealed envelope labeled "item #11"
25.12 (0303339): Swab in a sealed envelope labeled "item #12"
25.13 (0303339): Swab in a sealed envelope labeled "item #13"
25.14 (0303339): Swab in a sealed envelope labeled "item #14"
25.15 (0303339): Swab in a sealed envelope labeled "item #15"
25.16 (0303339): Swab in a sealed envelope labeled "item #16"
25.17 (0303339): Swab in a sealed envelope labeled "item #17"
25.18 (0303339): Swab in a sealed envelope labeled "item #18 control"
25.19 (0303339): Portion of seat belt in a sealed sack labeled "item #19..."
Sealed box containing #s 26 - 31clothing:
26 (0303339): Sealed sack labeled "#1"
27 (0303339): Denim shirt in a sealed sack labeled "#2"
28 (0303339): Gray T-shirt in a sealed sack labeled "#3"
29 (0303339): Sealed sack labeled "#4"
30 (0303339): "Wrangler" jeans in a sealed sack labeled "#5"
31 (0303339): Sealed sack labeled "#6"
32 (0303339): Bent knife blade in a sealed envelope

Obtained by Carolyn Van Winkle on July 8, 2003 in the presence of Detective John McCaskill:
33 (0303339): Swabs (2) from tile in sack labeled "Item 17A"

Received from the T.C.M.E. Evidence Custodian on July 17, 2003:
51 (0303339): Watch inside sealed sacks / bags

CL#: 0303339 / 0303340
July 23, 2003
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RESULTS:

Presumptive testing for blood was positive on items 19.1 (0303340) jeans, 19.3 (0303340) top, 19.1 (0303339) shorts, 19.2 (0303339) T-shirt, 22.1 - 22.6, 22.9 wipes, 23.1 - 23.4 wipes, 24.2 wipe, 25.6, 25.7, 25.9, & 25.10 swabs, 27 shirt, 28 T-shirt, 30 jeans, and 32 knife.

Testing for the presence of human blood was positive on items 22.7, 22.8, 24.1 wipes, 25.8 swab, 25.19 seat belt, 27T₃ & 27₄ shirt, 30T₂ & 30T₃ jeans and 33 tile swab.

Blood was not detected on item 51 watch.

No analysis was conducted on items 22.10 - 22.16, 23.5 - 23.8, 24.3 - 24.4, 25.1 - 25.5, 25.11 - 25.18, 26, 29, and 31.

Human DNA was recovered and quantified from the following items:

CL# 0303340: 19.1T₁ jeans, 19.3T₁ top & 16 Pearl Magouirk's autopsy blood
CL# 0303339: 19.1T₁ shorts, 19.1T₂ shorts, 19.2T₁ T-shirt, 20 Patricia Syren's autopsy blood, 21 Billy Crutsinger's swabs, 22.7 drawer, 22.8 garage, 24.1 dishwasher, 25.8 steering wheel, 25.19 seat belt, 27T₁- 27T₄ shirt stains, 27T₅ shirt neck swabbing, 30T₁ & 30T₂ jean cutoffs pocket stains, 30T₃, 30T₄ & 30T₆ jean cutoffs stains, 32 knife blade, and 33 tile stain.

The recovered DNA was characterized through Polymerase Chain Reaction (PCR) with analysis of the Amelogenin locus for sex determination and the following Short Tandem Repeat (STR) loci: D3S1358, vWA, FGA, D8S1179, D21S11, D18S51, D5S818, D13S317, and D7S820.

Items from CL# 0303340: 19.1T₁ jeans & 16 Pearl Magouirk's autopsy blood and CL# 0303339: 19.1T₁ shorts, 20 Patricia Syren's autopsy blood, 21 Billy Crutsinger's swabs, 27T₄ shirt stains, 30T₁ & 30T₂ jean cutoffs pocket stains were also characterized at the additional STR loci: D16S539, TH01, TPOX, and CSF1PO.

CONCLUSIONS:

A single male DNA profile that matches the DNA profile obtained from Billy Crutsinger (item 21) was obtained from each of the following items:

CL# 0303340: 19.1T₁ Pearl Magouirk's jeans
CL# 0303339: 19.1T₁ Patricia Syren's shorts, 19.2T₁ Patricia Syren's T-shirt, 22.7 drawer, 22.8 garage, 24.1dishwasher, 25.8 steering wheel, 25.19 seat belt, 27T₁- 27T₃ shirt stains, 30T₃ , 30T₄ & 30T₆ jean cutoffs stains, and 33 tile stain.

CL#: 0303339 / 0303340
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A single female DNA profile that matches the DNA profile obtained from Patricia Syren (item 20) was obtained from items 19.3T₁ (0303340) Pearl Magouirk's top, 19.1T₂ (0303339) Patricia Syren's shorts, and 32 knife blade (0303339).

The DNA profile obtained from the denim shirt left front pocket stain, item 27T₄, is a mixture of DNA from at least two female contributors which correspond to alleles originating from both Patricia Syren (item 20) and Pearl Magouirk (item 16). Billy Crutsinger (item 21) is excluded as a contributor of this DNA.

The DNA profile obtained from the denim shirt collar, item 27T₅, is a mixture of DNA from at least two contributors. The major male DNA profile matches the DNA profile obtained from Billy Crutsinger (item 21). Minor DNA alleles detected at the loci D3S1358, vWA , D21S11, and D13S317 were consistent with having originated from Patricia Syren (item 20). A single minor DNA allele at the locus D8S1179 could not have originated from Patricia Syren, Billy Crutsinger, or Pearl Magouirk.

The DNA profile obtained from the jean cutoffs pocket stain, item 30T₁, is a mixture of DNA from more than two contributors. Male DNA was detected. This mixed DNA profile is consistent with having originated from Pearl Magouirk (item 16), Patricia Syren (item 20), and Billy Crutsinger (item 21). Results at the D18S51 locus were inconclusive.

The DNA profile obtained from the jean cutoffs pocket stain, item 30T₂, is a mixture of DNA from at least two contributors. Male DNA was detected. Alleles that correspond to those of Billy Crutsinger (item 21) were detected at all thirteen loci. Although additional alleles detected at the loci D3S1358, and TP0X correspond to those of Patricia Syren, results at the loci FGA, D8S1179, D21S11 and CSF1PO were inconclusive.

STATISTICAL DATA

The probability of selecting an unrelated individual having the same DNA profile as that obtained from items CL# 0303340: 19.1T₁, Pearle Magouirk's jeans and CL# 0303339: 19.1T₂, Patricia Syren's shorts (which each match Billy Crutsinger's DNA profile) is approximately:

1 in	86,600,000,000,000	in Caucasians
1 in	1,790,000,000,000,000	in African Americans
1 in	243,000,000,000,000	in Southwest Hispanics

Based on the DNA data obtained from the denim shirt left front pocket stain, item 27T₄, [which is consistent with having originated from both Patricia Syren (item 20) and Pearl Magouirk (item 16)], it is expected that at least 99.99% of unrelated individuals in each of the Caucasian, African American, and Hispanic populations are excluded as possible contributors to this mixture.

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Based on the DNA data obtained from the jean cutoffs pocket stain, item 30T₁, [which is consistent with having originated from Patricia Syren (item 20), Pearl Magouirk (item 16), and Billy Crutsinger (item 21)], it is expected that at least 99.8% of unrelated individuals in each of the Caucasian, African American, and Hispanic populations are excluded as possible contributors to this mixture.

CODIS ENTRY:

The DNA profile obtained from item CL# 0303340: 19.1T₁ jeans will be entered into the COmbed DNA Index System (CODIS), where it will be searched against casework databases (local, state, and national) and convicted offender databases (state and national). In the event of any significant matches, your agency will be notified.

DISPOSITION OF EVIDENCE:

Biology / DNA laboratory: CL#: (0303340) Items 19.1T₂ & 19.3T₂
CL#: (0303339) Items 22.1 - 22.6, 23.1 - 23.4, 24.2, 25.6,
25.7, 25.9, 25.10, 28T₁ - 28T₃ & 30T₅

Remaining items CL# 0303340: 19.1T₁, 19.3T₁, & 16
CL# 0303339: 19.1T₁, 19.1T₂, 19.2T₁, 20, 21, 22.7, 22.8,
24.1, 25.8, 25.19, 27T₁- 27T₅, 30T₁-30T₄, 30T₆, 32, & 33

TCME Evidence Custodian: CL#: (0303340): Items 19.1 & 19.3
CL#: (0303339): Items 19.1, 19.2, 22.9 - 22.16, 23.5 -23.8,
24.3 - 24.4, 25.1 - 25.5, 25.11 - 25.19, 26 - 31 & 51
Packaging only Items 21, 22.1 - 22.8, 24.1, 23.1 - 23.4 & 24.2

For additional inquiries or requests, please contact the DNA laboratory at 817-212-7026.

DNA ANALYST: Carolyn Van Winkle, M.S.

Carolyn Van Winkle

APPROVED BY: Ronald L. Singer, M.S.

Ronald L. Singer

CERTIFICATE OF ANALYSES

OFFICE OF CHIEF MEDICAL EXAMINER
CRIMINALISTICS LABORATORIES
200 FELIKS GWOZDZ PLACE
FORT WORTH, TEXAS 76104

NIZAM PEERWANI, M.D., DABFP
CHIEF MEDICAL EXAMINER
RONALD L. SINGER, M.S.
CRIME LABORATORY DIRECTOR

FORENSIC BIOLOGY / DNA LABORATORY

NAME: Pearl Magouirk

CRIME LAB #: 0303340

OFFENSE: Sexual Assault

PRIORITY: 2

REQUESTED BY: Detective John McCaskill

Fort Worth P. D. SERV #: 03038339

DATE OF REQUEST: August 28, 2003

DATE OF COMPLETION: September 8, 2003

ANALYST: Carolyn Van Winkle

Previous Reports: July 23, 2003 & September 3, 2003

EVIDENCE RECEIVED:

Received from the TCME Evidence Custodian on August 28, 2003:

Sexual Assault Evidence Collection Kit containing sealed envelopes:

- | | | | |
|------|---------------|-------|-------------------|
| 18.1 | Vaginal smear | 18.6 | Anal swabs |
| 18.2 | Oral smear | 18.7 | Perianal swabs |
| 18.3 | Anal smear | 18.8 | Pulled scalp hair |
| 18.4 | Vaginal swabs | 18.9 | Combed pubic hair |
| 18.5 | Oral swabs | 18.10 | Pulled pubic hair |

RESULTS:

Neither spermatozoa nor acid phosphatase, which is suggestive of semen, were detected on the vaginal, anal, and oral specimens (items 18.1, 18.2, 18.3, 18.4, 18.5 and 18.6).

Acid phosphatase, which is suggestive of semen, was not detected on the perianal swabs (item 18.7).

DISPOSITION OF EVIDENCE:

TCME Evidence custodian: items 18.1 – 18.10

For additional inquiries or requests, please contact the Biology / DNA laboratory at 817-212-7026.

ANALYST: Carolyn Van Winkle, M.S.

Carolyn Van Winkle

APPROVED BY: Ronald L. Singer, M.S.

Ronald L. Singer

STR TYPING RESULTS

Crime Lab #s:

0303339

CCW

23 July 07

COfiler Alleles Detected:

CERTIFICATE OF ANALYSES

OFFICE OF CHIEF MEDICAL EXAMINER
CRIMINALISTICS LABORATORIES
200 FELIKS GWODZ PLACE
FORT WORTH, TEXAS 76104

NIZAM PEERWANI, M.D., DABFP
CHIEF MEDICAL EXAMINER
RONALD L. SINGER, M.S.
CRIME LABORATORY DIRECTOR

FORENSIC BIOLOGY / DNA LABORATORY

NAME: Patricia Syren

CRIME LAB #: 0303339

OFFENSE: Sexual Assault

PRIORITY: 2

REQUESTED BY: Detective John McCaskill

Fort Worth P. D. SERV #: 03038339

DATE OF REQUEST: August 28, 2003

ANALYST: Carolyn Van Winkle

DATE OF COMPLETION: September 8, 2003
Previous Reports: July 23, 2003 & September 3, 2003

EVIDENCE RECEIVED:

Received from the TCME Evidence Custodian on August 28, 2003:

Sexual Assault Evidence Collection Kit containing sealed envelopes:

18.3	Oral smear	18.8	Anal swabs
18.4	Vaginal smear	18.9	Perianal swabs
18.5	Anal smear	18.10	Pulled pubic hair
18.6	Oral swabs	18.11	Combed pubic hair
18.7	Vaginal swabs	18.12	Pulled scalp hair

RESULTS:

Neither spermatozoa nor acid phosphatase, which is suggestive of semen, were detected on the vaginal, anal, and oral specimens (items 18.3, 18.4, 18.5, 18.6, 18.7 and 18.8).

Acid phosphatase, which is suggestive of semen, was not detected on the perianal swabs (item 18.9).

DISPOSITION OF EVIDENCE:

TCME Evidence custodian: items 18.3 – 18.12

For additional inquiries or requests, please contact the Biology / DNA laboratory at 817-212-7026.

ANALYST: Carolyn Van Winkle, M.S.

Carolyn Van Winkle

APPROVED BY: Ronald L. Singer, M.S.

Ronald L. Singer

CERTIFICATE OF ANALYSES

OFFICE OF CHIEF MEDICAL EXAMINER
CRIMINALISTICS LABORATORIES
200 FELIKS GWOZDZ PLACE
FORT WORTH, TEXAS 76104

NIZAM PEERWANI, M.D., DABFP
CHIEF MEDICAL EXAMINER
RONALD L. SINGER, M.S.
CRIME LABORATORY DIRECTOR

FORENSIC BIOLOGY / DNA LABORATORY

NAMES: Patricia Syren
Pearl Magouirk

CRIME LAB #: 0303339
Related Crime Lab #: 0303340

OFFENSE: Homicides

PRIORITY: 1

REQUESTED BY: Detective John McCaskill
Michele Hartmann – T.C.D.A.

Fort Worth P. D. Service #: 03038339

DATES OF REQUEST: June 26 & July 8 & 16, 2003

DATE OF COMPLETION: July 23, 2003

DNA ANALYST: Carolyn Van Winkle

EVIDENCE RECEIVED:

Received from the Tarrant County Medical Examiner (T.C.M.E.) Morgue on April 15, 2003:

- 16 (0303340): Autopsy blood sample (FTA) – Pearl Magouirk
20 (0303339): Autopsy blood sample (FTA) – Patricia Syren

Received from the T.C.M.E. Evidence Custodian on June 26, 2003:

- 19.1 (0303340): Jeans (autopsy clothing) in a sealed sack
19.3 (0303340): White top (autopsy clothing) in a sealed sack

19.1 (0303339): Blue shorts (autopsy clothing) in a sealed sack
19.2 (0303339): Light gray T-shirt (autopsy clothing) in a sealed sack
21 (0303339): Swabs (2) in a sealed envelope labeled "...Crutsinger, Billy..."
Sealed envelope containing #s 22, 23 & 24:

- 22.1 (0303339): Stained wipe in an envelope labeled "sample #1"
22.2 (0303339): Stained wipe in an envelope labeled "sample #2"
22.3 (0303339): Stained wipe in an envelope labeled "sample #3"
22.4 (0303339): Stained wipe in an envelope labeled "sample #4"
22.5 (0303339): Stained wipe in an envelope labeled "sample #5"
22.6 (0303339): Stained wipe in an envelope labeled "sample #6"
22.7 (0303339): Stained wipe in an envelope labeled "sample #7"
22.8 (0303339): Stained wipe in an envelope labeled "sample #8"
22.9 - 22.16 (0303339): Eight envelopes labeled "control #1", "control #2",
"control #3", "control #4", "control #5", "control #6",
"control #7", "control #8"

CL#: 0303339 / 0303340
July 23, 2003
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23.1 (0303339): Stained wipe in an envelope labeled "sample #11"
23.2 (0303339): Stained wipe in an envelope labeled "sample #12"
23.3 (0303339): Stained wipe in an envelope labeled "sample #13"
23.4 (0303339): Stained wipe in an envelope labeled "sample #14"
23.5 - 23.8 (0303339): Four envelopes labeled "control #11", "control #12",
"control #13", "control #14"

24.1 (0303339): Stained wipe in an envelope labeled "sample #23"
24.2 (0303339): Stained wipe in an envelope labeled "sample #24"
24.3 - 24.4(0303339): Two envelopes labeled "control #23" and "control #24"

Sealed sack containing # 25 from vehicle:

25.1 (0303339): Swab in a sealed envelope labeled "item #1"
25.2 (0303339): Swab in a sealed envelope labeled "item #2"
25.3 (0303339): Swab in a sealed envelope labeled "item #3"
25.4 (0303339): Swab in a sealed envelope labeled "item #4"
25.5 (0303339): Swab in a sealed envelope labeled "item #5"
25.6 (0303339): Swab in a sealed envelope labeled "item #6"
25.7 (0303339): Swab in a sealed envelope labeled "item #7"
25.8 (0303339): Swab in a sealed envelope labeled "item #8"
25.9 (0303339): Swab in a sealed envelope labeled "item #9"
25.10 (0303339): Swab in a sealed envelope labeled "item #10"
25.11 (0303339): Swab in a sealed envelope labeled "item #11"
25.12 (0303339): Swab in a sealed envelope labeled "item #12"
25.13 (0303339): Swab in a sealed envelope labeled "item #13"
25.14 (0303339): Swab in a sealed envelope labeled "item #14"
25.15 (0303339): Swab in a sealed envelope labeled "item #15"
25.16 (0303339): Swab in a sealed envelope labeled "item #16"
25.17 (0303339): Swab in a sealed envelope labeled "item #17"
25.18 (0303339): Swab in a sealed envelope labeled "item #18 control"
25.19 (0303339): Portion of seat belt in a sealed sack labeled "item #19..."

Sealed box containing #s 26 - 31clothing:

26 (0303339): Sealed sack labeled "#1"
27 (0303339): Denim shirt in a sealed sack labeled "#2"
28 (0303339): Gray T-shirt in a sealed sack labeled "#3"
29 (0303339): Sealed sack labeled "#4"
30 (0303339): "Wrangler" jeans in a sealed sack labeled "#5"
31 (0303339): Sealed sack labeled "#6"
32 (0303339): Bent knife blade in a sealed envelope

Obtained by Carolyn Van Winkle on July 8, 2003 in the presence of Detective John McCaskill:
33 (0303339): Swabs (2) from tile in sack labeled "Item 17A"

Received from the T.C.M.E. Evidence Custodian on July 17, 2003:
51 (0303339): Watch inside sealed sacks / bags

CL#: 0303339 / 0303340
July 23, 2003
Page 3

RESULTS:

Presumptive testing for blood was positive on items 19.1 (0303340) jeans, 19.3 (0303340) top, 19.1 (0303339) shorts, 19.2 (0303339) T-shirt, 22.1 - 22.6, 22.9 wipes, 23.1 - 23.4 wipes, 24.2 wipe, 25.6, 25.7, 25.9, & 25.10 swabs, 27 shirt, 28 T-shirt, 30 jeans, and 32 knife.

Testing for the presence of human blood was positive on items 22.7, 22.8, 24.1 wipes, 25.8 swab, 25.19 seat belt, 27T₃ & 27₄ shirt, 30T₂ & 30T₃ jeans and 33 tile swab.

Blood was not detected on item 51 watch.

No analysis was conducted on items 22.10 - 22.16, 23.5 - 23.8, 24.3 - 24.4, 25.1 - 25.5, 25.11 - 25.18, 26, 29, and 31.

Human DNA was recovered and quantified from the following items:

CL# 0303340: 19.1T₁ jeans, 19.3T₁ top & 16 Pearl Magouirk's autopsy blood
CL# 0303339: 19.1T₁ shorts, 19.1T₂ shorts, 19.2T₁ T-shirt, 20 Patricia Syren's autopsy blood, 21 Billy Crutsinger's swabs, 22.7 drawer, 22.8 garage, 24.1 dishwasher, 25.8 steering wheel, 25.19 seat belt, 27T₁- 27T₄ shirt stains, 27T₅ shirt neck swabbing, 30T₁ & 30T₂ jean cutoffs pocket stains, 30T₃, 30T₄ & 30T₆ jean cutoffs stains, 32 knife blade, and 33 tile stain.

The recovered DNA was characterized through Polymerase Chain Reaction (PCR) with analysis of the Amelogenin locus for sex determination and the following Short Tandem Repeat (STR) loci: D3S1358, vWA, FGA, D8S1179, D21S11, D18S51, D5S818, D13S317, and D7S820.

Items from CL# 0303340: 19.1T₁ jeans & 16 Pearl Magouirk's autopsy blood and CL# 0303339: 19.1T₁ shorts, 20 Patricia Syren's autopsy blood, 21 Billy Crutsinger's swabs, 27T₄ shirt stains, 30T₁ & 30T₂ jean cutoffs pocket stains were also characterized at the additional STR loci: D16S539, TH01, TPOX, and CSF1PO.

CONCLUSIONS:

A single male DNA profile that matches the DNA profile obtained from Billy Crutsinger (item 21) was obtained from each of the following items:

CL# 0303340: 19.1T₁ Pearl Magouirk's jeans
CL# 0303339: 19.1T₁ Patricia Syren's shorts, 19.2T₁ Patricia Syren's T-shirt, 22.7 drawer, 22.8 garage, 24.1dishwasher, 25.8 steering wheel, 25.19 seat belt, 27T₁- 27T₃ shirt stains, 30T₃, 30T₄ & 30T₆ jean cutoffs stains, and 33 tile stain.

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July 23, 2003
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A single female DNA profile that matches the DNA profile obtained from Patricia Syren (item 20) was obtained from items 19.3T₁ (0303340) Pearl Magouirk's top, 19.1T₂ (0303339) Patricia Syren's shorts, and 32 knife blade (0303339).

The DNA profile obtained from the denim shirt left front pocket stain, item 27T₄, is a mixture of DNA from at least two female contributors which correspond to alleles originating from both Patricia Syren (item 20) and Pearl Magouirk (item 16). Billy Crutsinger (item 21) is excluded as a contributor of this DNA.

The DNA profile obtained from the denim shirt collar, item 27T₅, is a mixture of DNA from at least two contributors. The major male DNA profile matches the DNA profile obtained from Billy Crutsinger (item 21). Minor DNA alleles detected at the loci D3S1358, vWA, D21S11, and D13S317 were consistent with having originated from Patricia Syren (item 20). A single minor DNA allele at the locus D8S1179 could not have originated from Patricia Syren, Billy Crutsinger, or Pearl Magouirk.

The DNA profile obtained from the jean cutoffs pocket stain, item 30T₁, is a mixture of DNA from more than two contributors. Male DNA was detected. This mixed DNA profile is consistent with having originated from Pearl Magouirk (item 16), Patricia Syren (item 20), and Billy Crutsinger (item 21). Results at the D18S51 locus were inconclusive.

The DNA profile obtained from the jean cutoffs pocket stain, item 30T₂, is a mixture of DNA from at least two contributors. Male DNA was detected. Alleles that correspond to those of Billy Crutsinger (item 21) were detected at all thirteen loci. Although additional alleles detected at the loci D3S1358, and TPOX correspond to those of Patricia Syren, results at the loci FGA, D8S1179, D21S11 and CSF1PO were inconclusive.

STATISTICAL DATA

The probability of selecting an unrelated individual having the same DNA profile as that obtained from items CL# 0303340: 19.1T₁ Pearl Magouirk's jeans and CL# 0303339: 19.1T₂ Patricia Syren's shorts (which each match Billy Crutsinger's DNA profile) is approximately:

1 in	86,600,000,000,000	in Caucasians
1 in	1,790,000,000,000,000	in African Americans
1 in	243,000,000,000,000	in Southwest Hispanics

Based on the DNA data obtained from the denim shirt left front pocket stain, item 27T₄, [which is consistent with having originated from both Patricia Syren (item 20) and Pearl Magouirk (item 16)], it is expected that at least 99.99% of unrelated individuals in each of the Caucasian, African American, and Hispanic populations are excluded as possible contributors to this mixture.

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Based on the DNA data obtained from the jean cutoffs pocket stain, item 30T₁, [which is consistent with having originated from Patricia Syren (item 20), Pearl Magouirk (item 16), and Billy Crutsinger (item 21)], it is expected that at least 99.8% of unrelated individuals in each of the Caucasian, African American, and Hispanic populations are excluded as possible contributors to this mixture.

CODIS ENTRY:

The DNA profile obtained from item CL# 0303340: 19.1T₁ jeans will be entered into the COmbed DNA Index System (CODIS), where it will be searched against casework databases (local, state, and national) and convicted offender databases (state and national). In the event of any significant matches, your agency will be notified.

DISPOSITION OF EVIDENCE:

Biology / DNA laboratory: CL#: (0303340) Items 19.1T₂ & 19.3T₂
CL#: (0303339) Items 22.1 - 22.6, 23.1 - 23.4, 24.2, 25.6,
25.7, 25.9, 25.10, 28T₁ - 28T₃ & 30T₅

Remaining items CL# 0303340: 19.1T₁, 19.3T₁, & 16
CL# 0303339: 19.1T₁, 19.1T₂, 19.2T₁, 20, 21, 22.7, 22.8,
24.1, 25.8, 25.19, 27T₁ - 27T₅, 30T₁ - 30T₄, 30T₆, 32, & 33

TCME Evidence Custodian: CL#: (0303340): Items 19.1 & 19.3
CL#: (0303339): Items 19.1, 19.2, 22.9 - 22.16, 23.5 - 23.8,
24.3 - 24.4, 25.1 - 25.5, 25.11 - 25.19, 26 - 31 & 51
Packaging only Items 21, 22.1 - 22.8, 24.1, 23.1 - 23.4 & 24.2

For additional inquiries or requests, please contact the DNA laboratory at 817-212-7026.

DNA ANALYST: Carolyn Van Winkle, M.S.

Carolyn Van Winkle

APPROVED BY: Ronald L. Singer, M.S.

Ronald L. Singer

CERTIFICATE OF ANALYSES

OFFICE OF CHIEF MEDICAL EXAMINER
CRIMINALISTICS LABORATORIES
200 FELIKS GWOZDZ PLACE
FORT WORTH, TEXAS 76104

NIZAM PEERWANI, M.D., DABFP
CHIEF MEDICAL EXAMINER
RONALD L. SINGER, M.S.
CRIME LABORATORY DIRECTOR

FORENSIC BIOLOGY / DNA LABORATORY

NAMES: Patricia Syren
Pearl Magouirk

CRIME LAB #: 0303339
Related Crime Lab #: 0303340

OFFENSE: Homicides

PRIORITY: 1

REQUESTED BY: Detective John McCaskill
Michele Hartmann – T.C.D.A.

Fort Worth P. D. Service #: 03038339

DATES OF REQUEST: June 26 & July 8 & 16, 2003

DATE OF COMPLETION: July 23, 2003

DNA ANALYST: Carolyn Van Winkle

EVIDENCE RECEIVED:

Received from the Tarrant County Medical Examiner (T.C.M.E.) Morgue on April 15, 2003:

16 (0303340): Autopsy blood sample (FTA) – Pearl Magouirk
20 (0303339): Autopsy blood sample (FTA) – Patricia Syren

Received from the T.C.M.E. Evidence Custodian on June 26, 2003:

19.1 (0303340): Jeans (autopsy clothing) in a sealed sack
19.3 (0303340): White top (autopsy clothing) in a sealed sack

19.1 (0303339): Blue shorts (autopsy clothing) in a sealed sack
19.2 (0303339): Light gray T-shirt (autopsy clothing) in a sealed sack
21 (0303339): Swabs (2) in a sealed envelope labeled "...Crutsinger, Billy..."

Sealed envelope containing #s 22, 23 & 24:

22.1 (0303339): Stained wipe in an envelope labeled "sample #1"
22.2 (0303339): Stained wipe in an envelope labeled "sample #2"
22.3 (0303339): Stained wipe in an envelope labeled "sample #3"
22.4 (0303339): Stained wipe in an envelope labeled "sample #4"
22.5 (0303339): Stained wipe in an envelope labeled "sample #5"
22.6 (0303339): Stained wipe in an envelope labeled "sample #6"
22.7 (0303339): Stained wipe in an envelope labeled "sample #7"
22.8 (0303339): Stained wipe in an envelope labeled "sample #8"
22.9 - 22.16 (0303339): Eight envelopes labeled "control #1", "control #2",
"control #3", "control #4", "control #5", "control #6",
"control #7", "control #8"

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23.1 (0303339): Stained wipe in an envelope labeled "sample #11"
23.2 (0303339): Stained wipe in an envelope labeled "sample #12"
23.3 (0303339): Stained wipe in an envelope labeled "sample #13"
23.4 (0303339): Stained wipe in an envelope labeled "sample #14"
23.5 - 23.8 (0303339): Four envelopes labeled "control #11", "control #12", "control #13", "control #14"

24.1 (0303339): Stained wipe in an envelope labeled "sample #23"
24.2 (0303339): Stained wipe in an envelope labeled "sample #24"
24.3 - 24.4(0303339): Two envelopes labeled "control #23" and "control #24"

Sealed sack containing # 25 from vehicle:

25.1 (0303339): Swab in a sealed envelope labeled "item #1"
25.2 (0303339): Swab in a sealed envelope labeled "item #2"
25.3 (0303339): Swab in a sealed envelope labeled "item #3"
25.4 (0303339): Swab in a sealed envelope labeled "item #4"
25.5 (0303339): Swab in a sealed envelope labeled "item #5"
25.6 (0303339): Swab in a sealed envelope labeled "item #6"
25.7 (0303339): Swab in a sealed envelope labeled "item #7"
25.8 (0303339): Swab in a sealed envelope labeled "item #8"
25.9 (0303339): Swab in a sealed envelope labeled "item #9"
25.10 (0303339): Swab in a sealed envelope labeled "item #10"
25.11 (0303339): Swab in a sealed envelope labeled "item #11"
25.12 (0303339): Swab in a sealed envelope labeled "item #12"
25.13 (0303339): Swab in a sealed envelope labeled "item #13"
25.14 (0303339): Swab in a sealed envelope labeled "item #14"
25.15 (0303339): Swab in a sealed envelope labeled "item #15"
25.16 (0303339): Swab in a sealed envelope labeled "item #16"
25.17 (0303339): Swab in a sealed envelope labeled "item #17"
25.18 (0303339): Swab in a sealed envelope labeled "item #18 control"
25.19 (0303339): Portion of seat belt in a sealed sack labeled "item #19..."

Sealed box containing #s 26 - 31clothing:

26 (0303339): Sealed sack labeled "#1"
27 (0303339): Denim shirt in a sealed sack labeled "#2"
28 (0303339): Gray T-shirt in a sealed sack labeled "#3"
29 (0303339): Sealed sack labeled "#4"
30 (0303339): "Wrangler" jeans in a sealed sack labeled "#5"
31 (0303339): Sealed sack labeled "#6"
32 (0303339): Bent knife blade in a sealed envelope

Obtained by Carolyn Van Winkle on July 8, 2003 in the presence of Detective John McCaskill:
33 (0303339): Swabs (2) from tile in sack labeled "Item 17A"

Received from the T.C.M.E. Evidence Custodian on July 17, 2003:

51 (0303339): Watch inside sealed sacks / bags

CL#: 0303339 / 0303340
July 23, 2003
Page 3

RESULTS:

Presumptive testing for blood was positive on items 19.1 (0303340) jeans, 19.3 (0303340) top, 19.1 (0303339) shorts, 19.2 (0303339) T-shirt, 22.1 - 22.6, 22.9 wipes, 23.1 - 23.4 wipes, 24.2 wipe, 25.6, 25.7, 25.9, & 25.10 swabs, 27 shirt, 28 T-shirt, 30 jeans, and 32 knife.

Testing for the presence of human blood was positive on items 22.7, 22.8, 24.1 wipes, 25.8 swab, 25.19 seat belt, 27T₃ & 27T₄ shirt, 30T₂ & 30T₃ jeans and 33 tile swab.

Blood was not detected on item 51 watch.

No analysis was conducted on items 22.10 - 22.16, 23.5 - 23.8, 24.3 - 24.4, 25.1 - 25.5, 25.11 - 25.18, 26, 29, and 31.

Human DNA was recovered and quantified from the following items:

CL# 0303340: 19.1T₁ jeans, 19.3T₁ top & 16 Pearl Magouirk's autopsy blood
CL# 0303339: 19.1T₁ shorts, 19.1T₂ shorts, 19.2T₁ T-shirt, 20 Patricia Syren's autopsy blood, 21 Billy Crutsinger's swabs, 22.7 drawer, 22.8 garage, 24.1 dishwasher, 25.8 steering wheel, 25.19 seat belt, 27T₁- 27T₄ shirt stains, 27T₅ shirt neck swabbing, 30T₁ & 30T₂ jean cutoffs pocket stains, 30T₃, 30T₄ & 30T₆ jean cutoffs stains, 32 knife blade, and 33 tile stain.

The recovered DNA was characterized through Polymerase Chain Reaction (PCR) with analysis of the Amelogenin locus for sex determination and the following Short Tandem Repeat (STR) loci: D3S1358, vWA, FGA, D8S1179, D21S11, D18S51, D5S818, D13S317, and D7S820.

Items from CL# 0303340: 19.1T₁ jeans & 16 Pearl Magouirk's autopsy blood and CL# 0303339: 19.1T₁ shorts, 20 Patricia Syren's autopsy blood, 21 Billy Crutsinger's swabs, 27T₄ shirt stains, 30T₁ & 30T₂ jean cutoffs pocket stains were also characterized at the additional STR loci: D16S539, TH01, TPOX, and CSF1PO.

CONCLUSIONS:

A single male DNA profile that matches the DNA profile obtained from Billy Crutsinger (item 21) was obtained from each of the following items:

CL# 0303340: 19.1T₁ Pearl Magouirk's jeans
CL# 0303339: 19.1T₁ Patricia Syren's shorts, 19.2T₁ Patricia Syren's T-shirt, 22.7 drawer, 22.8 garage, 24.1dishwasher, 25.8 steering wheel, 25.19 seat belt, 27T₁- 27T₃ shirt stains, 30T₃, 30T₄ & 30T₆ jean cutoffs stains, and 33 tile stain.

CL#: 0303339 / 0303340
July 23, 2003
Page 4

A single female DNA profile that matches the DNA profile obtained from Patricia Syren (item 20) was obtained from items 19.3T₁ (0303340) Pearl Magouirk's top, 19.1T₂ (0303339) Patricia Syren's shorts, and 32 knife blade (0303339).

The DNA profile obtained from the denim shirt left front pocket stain, item 27T₄, is a mixture of DNA from at least two female contributors which correspond to alleles originating from both Patricia Syren (item 20) and Pearl Magouirk (item 16). Billy Crutsinger (item 21) is excluded as a contributor of this DNA.

The DNA profile obtained from the denim shirt collar, item 27T₅, is a mixture of DNA from at least two contributors. The major male DNA profile matches the DNA profile obtained from Billy Crutsinger (item 21). Minor DNA alleles detected at the loci D3S1358, vWA, D21S11, and D13S317 were consistent with having originated from Patricia Syren (item 20). A single minor DNA allele at the locus D8S1179 could not have originated from Patricia Syren, Billy Crutsinger, or Pearl Magouirk.

The DNA profile obtained from the jean cutoffs pocket stain, item 30T₁, is a mixture of DNA from more than two contributors. Male DNA was detected. This mixed DNA profile is consistent with having originated from Pearl Magouirk (item 16), Patricia Syren (item 20), and Billy Crutsinger (item 21). Results at the D18S51 locus were inconclusive.

The DNA profile obtained from the jean cutoffs pocket stain, item 30T₂, is a mixture of DNA from at least two contributors. Male DNA was detected. Alleles that correspond to those of Billy Crutsinger (item 21) were detected at all thirteen loci. Although additional alleles detected at the loci D3S1358, and TPOX correspond to those of Patricia Syren, results at the loci FGA, D8S1179, D21S11 and CSF1PO were inconclusive.

STATISTICAL DATA

The probability of selecting an unrelated individual having the same DNA profile as that obtained from items CL# 0303340: 19.1T₁ Pearl Magouirk's jeans and CL# 0303339: 19.1T₂ Patricia Syren's shorts (which each match Billy Crutsinger's DNA profile) is approximately:

1 in	86,600,000,000,000	in Caucasians
1 in	1,790,000,000,000,000	in African Americans
1 in	243,000,000,000,000	in Southwest Hispanics

Based on the DNA data obtained from the denim shirt left front pocket stain, item 27T₄, [which is consistent with having originated from both Patricia Syren (item 20) and Pearl Magouirk (item 16)], it is expected that at least 99.99% of unrelated individuals in each of the Caucasian, African American, and Hispanic populations are excluded as possible contributors to this mixture.

CL#: 0303339 / 0303340
July 23, 2003
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Based on the DNA data obtained from the jean cutoffs pocket stain, item 30T₁, [which is consistent with having originated from Patricia Syren (item 20), Pearl Magouirk (item 16), and Billy Crutsinger (item 21)], it is expected that at least 99.8% of unrelated individuals in each of the Caucasian, African American, and Hispanic populations are excluded as possible contributors to this mixture.

CODIS ENTRY:

The DNA profile obtained from item CL# 0303340: 19.1T₁ jeans will be entered into the COmbed DNA Index System (CODIS), where it will be searched against casework databases (local, state, and national) and convicted offender databases (state and national). In the event of any significant matches, your agency will be notified.

DISPOSITION OF EVIDENCE:

Biology / DNA laboratory: CL#: (0303340) Items 19.1T₂ & 19.3T₂
CL#: (0303339) Items 22.1 - 22.6, 23.1 - 23.4, 24.2, 25.6,
25.7, 25.9, 25.10, 28T₁ - 28T₃ & 30T₅

Remaining items CL# 0303340: 19.1T₁, 19.3T₁, & 16
CL# 0303339: 19.1T₁, 19.1T₂, 19.2T₁, 20, 21, 22.7, 22.8,
24.1, 25.8, 25.19, 27T₁- 27T₅, 30T₁ - 30T₄, 30T₆, 32, & 33

TCME Evidence Custodian: CL#: (0303340): Items 19.1 & 19.3
CL#: (0303339): Items 19.1, 19.2, 22.9 - 22.16, 23.5 - 23.8,
24.3 - 24.4, 25.1 - 25.5, 25.11 - 25.19, 26 - 31 & 51
Packaging only Items 21, 22.1 - 22.8, 24.1, 23.1 - 23.4 & 24.2

For additional inquiries or requests, please contact the DNA laboratory at 817-212-7026.

DNA ANALYST: Carolyn Van Winkle, M.S.

Carolyn Van Winkle

APPROVED BY: Ronald L. Singer, M.S.

Ronald L. Singer

030 3339

7 July 03

Craw

Rec'd 26 June 03 # 19.1 & 19.2
from G.I.:11

#s 19.1 & 19.2 in separate sacks packaged
inside larger sealed G.p.s. / additional
clothing items 19 NOT Received

19.1 - Sealed G.p.s. Containing

"Dickies" blue shorts blood soaked

L MG:pos

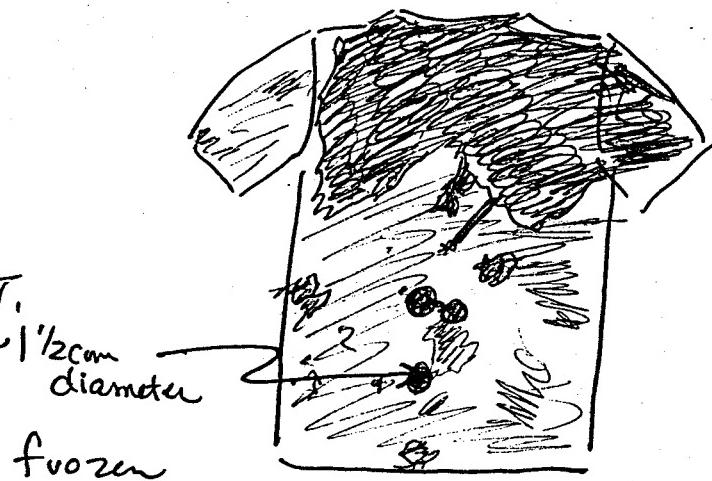
T₁ T₂ frozen



19.2 Sealed G.p.s. Containing

Gray T-shirt blood soaked with defects

L MG:pos





0303339
crew

19.1 & 19.2

0303339
7 July 03
(ew)

Rcd 26 June 03 #s 21-32
from P. E. Ibrahimi:

- [21] Swabs (2) in a coin envelope inside a sealed envelope labeled "... suspect Crut singer, Billy..." frozen
- [22] sealed envelope containing #s 22, 23 & 24:
- 22.1 - Stained wipe hMG:pos - frozen in ~~sealed~~ envelope labeled "Sample #1"
 - 22.2 - Stained wipe hMG: pos - frozen in envelope labeled "sample #2"
 - 22.3 - Stained wipe hMG:pos - frozen in envelope labeled "sample #3"
 - 22.4 - stained wipe hMG:pos - frozen in envelope labeled "sample #4"
 - 22.5 - stained wipe hMG:pos - frozen in envelope labeled "sample #5"
 - 22.6 - stained wipe hMG:pos - frozen in envelope labeled "sample #6"
 - 22.7 - stained wipe hMG:pos - frozen ^{sphuman} in envelope labeled "sample #7" ^{"drawer..Kitchen!" from narrative}
 - 22.8 - ^{edit} stained ^{NP} wipe hMG: pos - frozen sphuman

030 3339

7 July 03

Curr

-Cont -

[22]

22.9 - 22.16 :

six envelopes labeled:

"control #1", "control #2", "control #3",

"control #4", "control #5", "control #6", --

22.9 "control #1" stained wipe

LNGI: wk/wk pos

} returned

22.10 - 22.16 N/A

[23] -

23.1 Stained wipe LNGI: pos - frozen
(faint stain)

in me labeled "sample #11"

23.2 stained wipe LNGI: pos - frozen
in me labeled "Sample #12"

23.3 stained wipe LNGI: pos - frozen
in me labeled "sample #13"

23.4 stained wipe LNGI: pos - frozen
in me labelled "sample #14"

23.5 - 23.8

4 envelopes labeled:

"control #11", "control #12", "control #13"

"control #14" — N/A - returned

030 3339

CLW

7 July 03

- Cont -

[24] - 24.1 stained wipe hMGr:pos - frozen
in me labeled "sample #23 Sample" (CLW) →

sp human
"...disheshe..."
from narrative

24.2 stained wipe hMGr:pos - frozen
in me labeled "#24 sample"

24.3 - 24.4 :
Envelope labeled:

"#23 control" & "#24 control"
N/A returned

0303339

Cwu

8 July 03

- Cont. -

- (25) - Sealed sack containing 18 sealed envelopes (source on outside of sealed sack) and sealed b.p.s labeled "item #19: driver's seat belt"
- | | | | | |
|-------|-------------------------|-------------------|------------|-----------------------|
| 25.1 | swab in sealed envelope | Labeled "item #1" | N/A | |
| 25.2 | swab in sealed envelope | Labeled "item #2" | N/A | |
| 25.3 | " " | " | "item #3" | N/A |
| 25.4 | " " | " | "item #4" | N/A |
| 25.5 | " " | " | "item #5" | N/A |
| 25.6 | " " | " | "item #6" | L MG: pos |
| 25.7 | " " | " | "item #7" | L MG: pos |
| 25.8 | " " | " | "item #8" | L MG: pos
SPH: pos |
| 25.9 | " " | " | "item #9" | L MG: pos |
| 25.10 | " " | " | "item #10" | L MG: pos |
| 25.11 | " " | " | "item #11" | N/A |
| 25.12 | " " | " | "item #12" | N/A |
| 25.13 | " " | " | "item #13" | N/A |
| 25.14 | " " | " | "item #14" | N/A |
| 25.15 | " " | " | "item #15" | N/A |
| 25.16 | " " | " | "item #16" | N/A |
| 25.17 | " " | " | "item #17" | N/A |
| 25.18 | " " | " | "item #18" | N/A
control |

* #s 25.6 - 25.10 9/23/03

- Repackaged into (0) envelopes

One unopened instrument plus - 2003

EVIDENCE TRANSFER

030 3339

25 CLK

(from sack)

SERVICE # 03038339

OFFENSE: CAPITAL MURDER

VICTIM: PATRICIA SYREN/PEARL MAGOURIK

LOCATION: 3116 N. MAIN

PKG # 1 OF 2 TOTAL PKGS

RELEASED BY: ML BALL 2809

DATE: 041203 TIME: _____

CONTENTS:

ITEM #1: SWAB - EXTERIOR LBP DOOR

ITEM #2: SWAB - EXTERIOR TRUNK

ITEM #3: SWAB - DRIVERS SEAT

ITEM #4: SWAB - DRIVERS SEAT

ITEM #5: SWAB - DRIVERS SEAT

ITEM #6: SWAB - STEERING WHEEL

ITEM #7: SWAB - STEERING WHEEL

ITEM #8: SWAB - STEERING WHEEL

ITEM #9: SWAB - STEERING WHEEL

ITEM #10: SWAB - STEERING WHEEL

ITEM #11: SWAB - DASH

ITEM #12: SWAB - STEERING COLUMN

ITEM #13: SWAB - STEREO TUNE BUTTON

ITEM #14: SWAB - STEREO BELOW TUNE BUTTON

ITEM #15: SWAB - TOP OF GEAR SHIFT

ITEM #16: SWAB - GEAR SHIFT SLOT

ITEM #17: SAMPLE FROM DRIVERS DOOR FRAME

ITEM #18: CONTROL (DISTILLED WATER)

ITEM #19: DRIVERS SEAT BELT

Fort Wort



Offense # 03038339
Location: 03-0069

Description: 03C02119- ITEMS 1 THRU 19

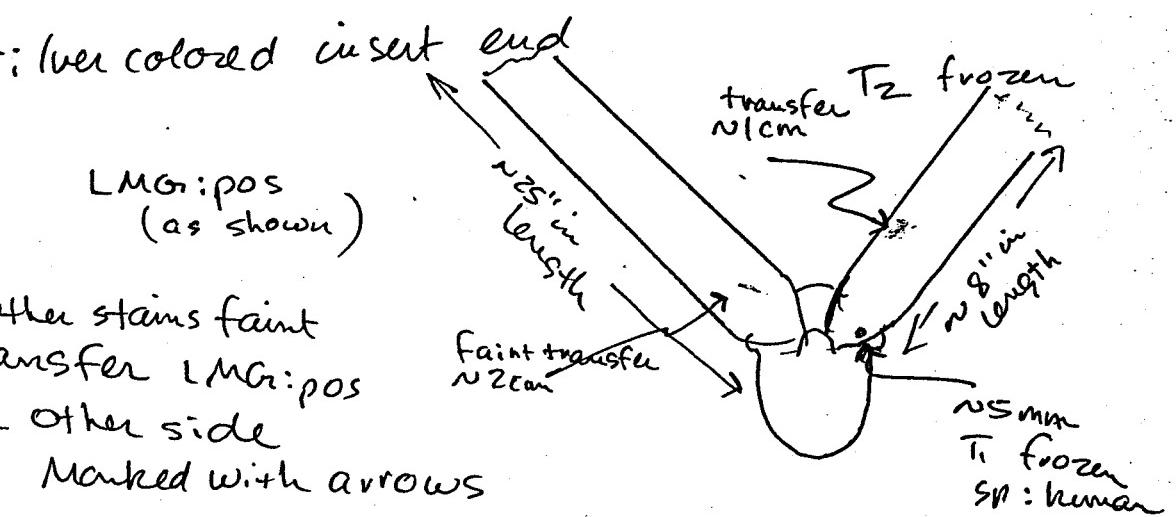
CW
8 July 03

- Cont -

[25]

25.19 portion of seat belt with

silver colored insert end



[32]

Bent blade n 5 1/2" in length non serrated
in tube packaged inside a sealed bag

Labeled "...03038339...blade..."

both sides blood stained, 1 side → 2 swabs

LMGr:pos

- frozen -

0303339

CICW

8 July 03

-Cont-

Sealed box containing #S 26-31

Opened July 8, 03 (6 sealed sacks)

July 16, 03 (for photos #30)

T261 Sealed sack labeled "#1"

N/A

T271 Sealed sack labeled "#2" containing

Denim Shirt "Premier International for Men"

XXXL 100% Cotton . . . "

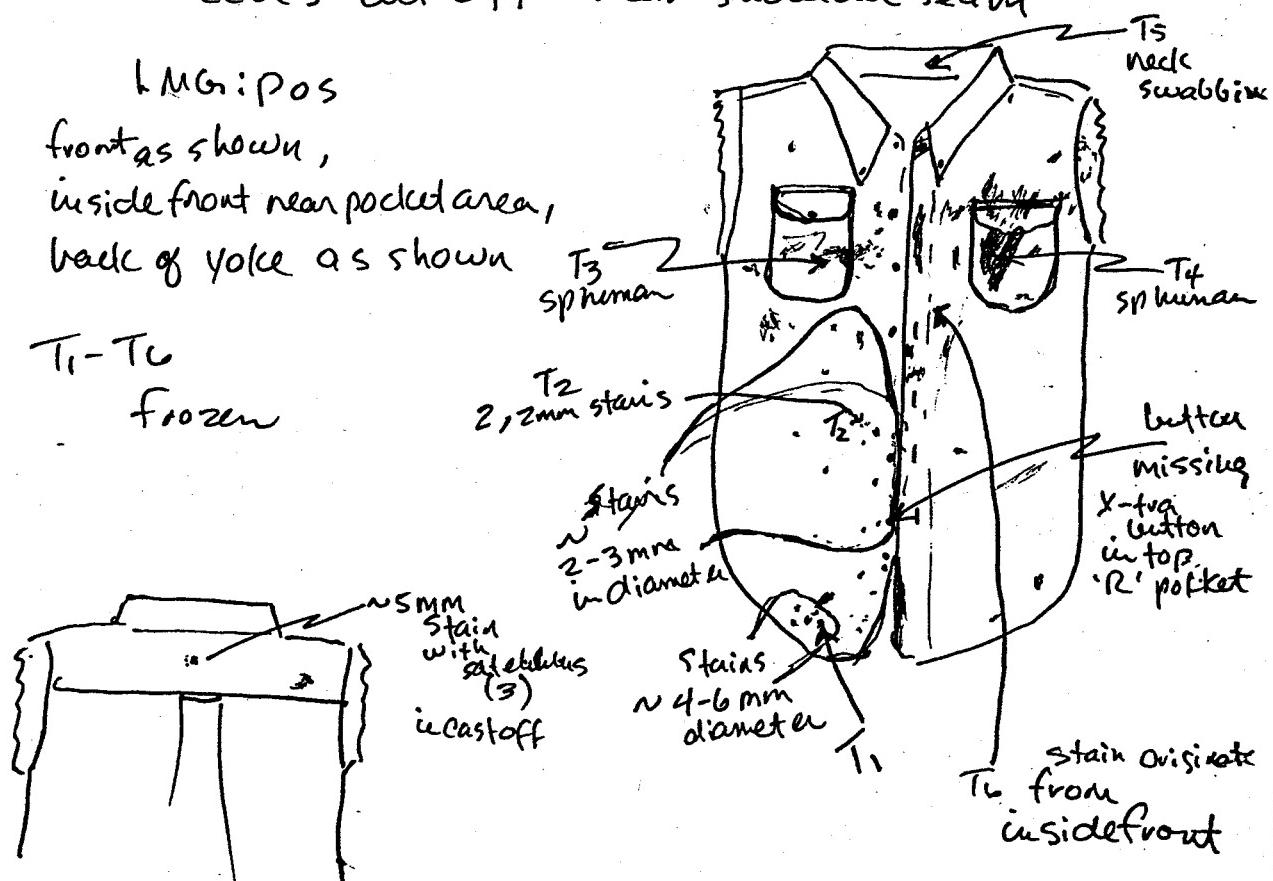
Both sleeves cut off near shoulder seam

L Mgr: Pos

front as shown,
inside front near pocket area,
back of yoke as shown

T₁-T₆

frozen



030 3338

cont

8 July 03

-cont-

(28)

Gray T-shirt "Russell Athletic...L..."
in a sealed sack

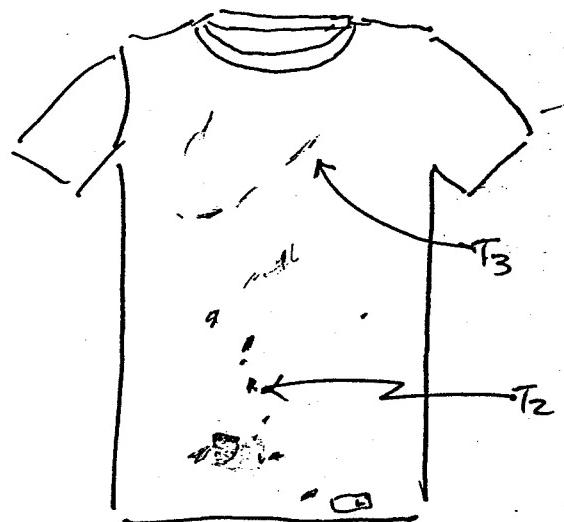
LMG: pos

front as shown

Black marks on back of shirt

T₁ swelling neck area

T₁ - T₃ frozen



(29)

Sealed Sack labeled "#4"
N/A

(30)

Denim "Wrangler 36x34"; jeans in a
sealed b.p.s. Labeled "#5"

- LMG: pos

front - as shown

back - ~mid of 'R' leg marked arrows

front 'L' pocket LMG: pos & stains

front 'R' pocket LMG: pos

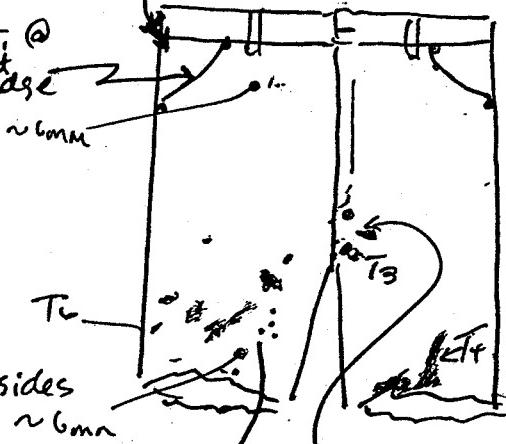
T₂ stain pattern ^{impression} ~1" x 4"
down side of pocket both sides

T₁ @
front edge

~6mm

legs
cut off

T₂ pocket pattern sp: human



Box of sack re opened 7/16/03
for photographs - L. Reynolds

(31)

Sealed sack labeled "#6"

N/A

0303339
8 July 03
Cvw

Examined in the presence of
Det McCaskill ::

- #33 - swabs from 17A :
Sealed box with multiple
Samples (stapled sacks) (opened by Cvw with John
- removed # "Item 17A" McCaskill
Beige tile ~ 8" x 8" - print area
15 mm stain LMG:pos sps human
2 swabs from center
frozen
tile returned to box to McCaskill

cmw

18 July 03

Ricd 17 July 03 #51

from Leigh Mitchell :

51- Watch "fred Belay" silver colored link band
with black & gold colored face

LMG:φ inside & outside

packaged in heat sealed plastic containing outer sealed
envelope labeled "... from Galveston P.D. ..."

inner sealed white envelope labeled
"... suspect Billy Jack Crut singer... location evidence

Recovered : 2005 23rd St (yellow cab stand) ... "

watch inside heat sealed plastic bag

0303339

(cm)

28 Aug 03

Rcd 27 Aug 03 from John McCaskill

#52

52 - Swabs (2) in a sealed envelope

labeled "... buccal ... Crutsinger,

Billy J. ... 8-27-03 . . . "

portion → DNA

frozen

23 July 03
CWB

0303339
22.7



0

0303339
22.8



0

0303339
24.1



0

0303339
25.8



0

0303339
25.19



0

0303339
27 T₃



0

0303339
27 T₄



0

0303339
30 T₂



0

0303339
30 T₃



0

0303339
33



0

Neg Control



0

(+) Control



0

**TARRANT COUNTY MEDICAL EXAMINER'S OFFICE
SEROLOGY**

SEmen / SALIVA DATA SHEET

Crime lab Number(s): 0303339Analyst: Cuw

#	ITEM #/DESCRIPTION	AP	Sperm	P30 (ABA)	Amylase	LMG
18	SAK:					
	Sealed items as listed:		Date: <u>9-8-03</u>	<u>9/8/03</u>		

8.3	Oral Smear		Ø			
8.4	Vaginal Smear		Ø			
8.5	Anal Smear		Ø			
8.6	Oval swabs (4)		Ø (x+)			
8.7	Vaginal swabs (6)		Ø (x6)			
8.8	Anal swabs (4)		Ø (x+)			
8.9	Perineal swabs (2)		Ø (x2)			
8.10	Pulled Pubic hair					
8.11	Combed Pubic hair					
8.12	Pulled Scalp hair					

DISPOSITION: #s 8.10 - 8.12 unopened

**TARRANT COUNTY MEDICAL EXAMINER'S OFFICE
SEROLOGY Q.C. DATA AND RESULTS**

Crime lab Number(s): 030 3339

Analyst: Cuv

LOT NUMBERS /CONTROL RESULTS

Semen AP: (+) + (-) Ø Date: 9-6-03 Seri lot#: 1521 Exp. 1003

P30: _____ Date: _____ ABA lot#: _____

Blood LMG: (+) + (-) Ø Date: 7-7-03 lot#: 121702 CLP
_____ Ø 7-8-03 121702 CLP
_____ Ø 7-18-03 121702 CLP

Anti-human: (+) + (-) Ø Date: 7-23-03 ABA lot#: 33221202 Exp. June 2004

Ouchterlony: (+) _____ (-) _____ Date: _____ lot#: _____ Exp. _____

Luminol: (+) _____ (-) _____ Date: _____ Prep. Date: _____ Exp. _____

Saliva amylase: Date: _____ Buffer lot#: _____ Exp. _____

1:100 (+) _____ mm (-) _____ mm

1:500 (+) _____ mm

STR TYPING RESULTS

Crime Lab #: 0303339
Analyst: CW
Date: 3 Sept 03

Profiler Plus Alleles Detected:

Tube & Sample Name	Module	Inj Secs	Inj kV	Run kV	Run °C	Run Time
D2 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
A1 - 2625PP 0301210-26T1 CARPET	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
A3 - 2626PP 0301210-26T2 CARPET	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
A5 - 2627PP 0301210-27 CARPET	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
A7 - 2628PP 0301210-29 CARPET	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
A9 - 2629PP 0301210-30 CARPET	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
A11 - 2630PP 0301210-31 RYG	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
C9 - 2641PP 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
C11 - 2642PP NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
D2 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
B2 - 2631PP Q EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
- 2632PP K EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
B6 - 2633PP 03000T-23 JEAN 1B	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
B8 - 2634PP 03000T-24 JEAN 2B\	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
B10 - 2635PP 03000T-26 GLASS\	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
D2 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
B12 - 2636PP 03000T-9 M MORENO	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
C1 - 2637PP 020858T-9 C PEREZ	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
C3 - 2638PP 03000T-22 E GONZALEZ	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
C5 - 2639PP 0303339-52 B CRUTSINGER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
C7 - 2640PP 022054(0)-18L	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
C9 - 2641PP 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
C11 - 2642PP NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
D2 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
- 2633CO 030006T-23 JEAN 1B	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
B6 - 2634CO 030006T-24 JEAN 2B	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
D8 - 2635CO 030006T-26 GLASS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E11 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
D10 - 2636CO 03000T-9 M MORENO	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
D12 - 26331CO Q EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E1 - 2632CO K EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E3 - 2639CO 0303339-52 B CRUTSINGER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E3 - 2639CO 0303339-52 B CRUTSINGER	GS STR POP4 (1 mL) F	2	15.0	15.0	60	25
E5 - 2620R CO 0306140-23 A GARCIA	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E7 - 2641CO 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E9 - 2642CO NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E11 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
8						

0303339 PP
0303339-52 B CRUTSINGER
100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400
632PP K EXT CONT 12 Blue 2632PP K EXT CONT

No Size Data

632PP K EXT CONT 12 Green 2632PP K EXT CONT

No Size Data

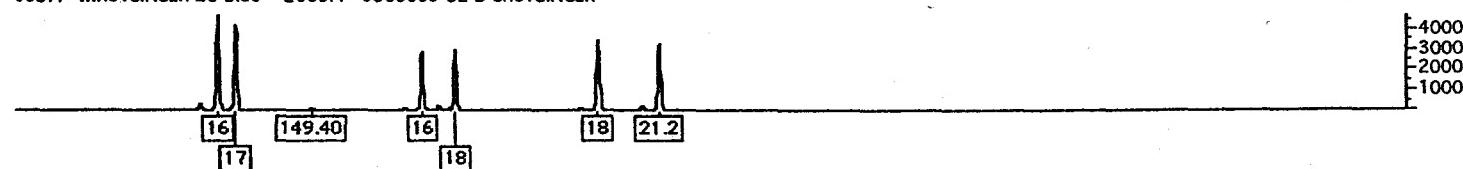
632PP K EXT CONT 12 Yellow 2632PP K EXT CONT

No Size Data

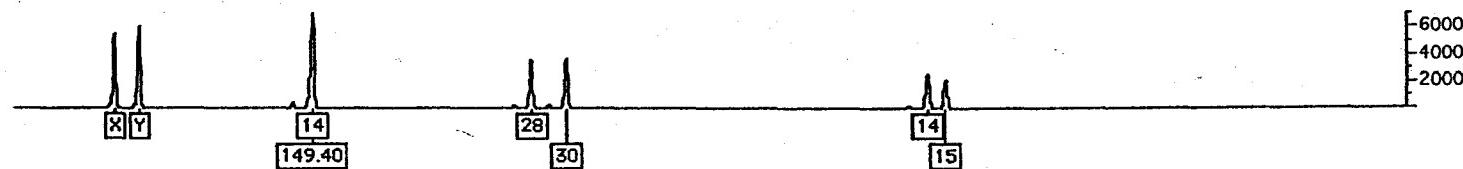
632PP K EXT CONT 12 Red 2632PP K EXT CONT



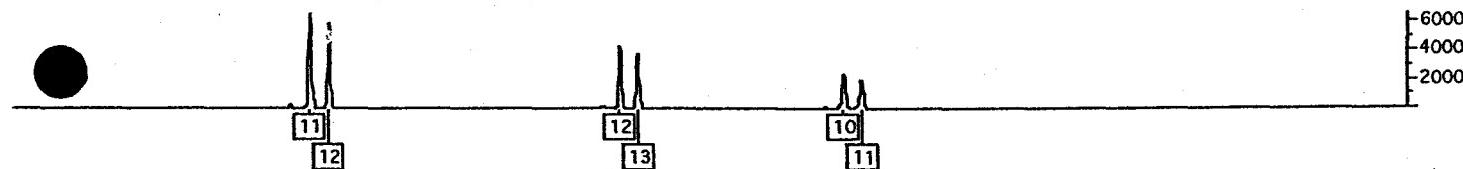
639PP ...RUTSINGER 20 Blue 2639PP 0303339-52 B CRUTSINGER



639PP ...RUTSINGER 20 Green 2639PP 0303339-52 B CRUTSINGER



639PP ...RUTSINGER 20 Yellow 2639PP 0303339-52 B CRUTSINGER

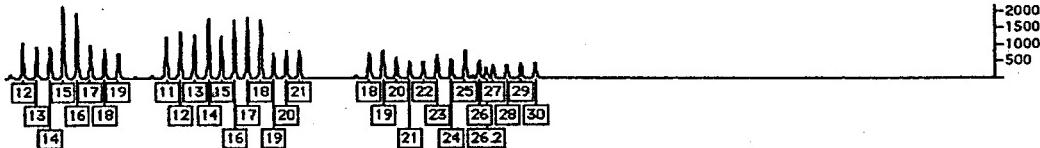


639PP ...RUTSINGER 20 Red 2639PP 0303339-52 B CRUTSINGER

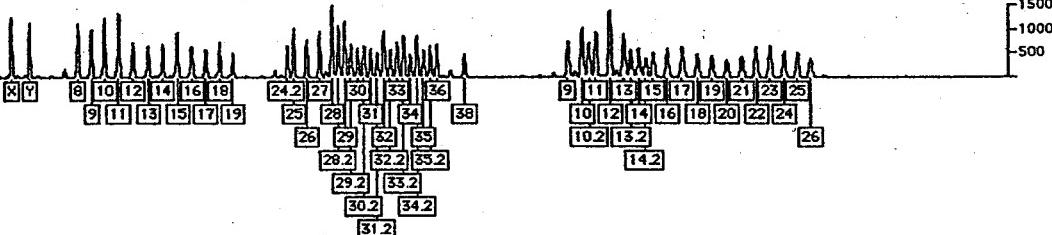


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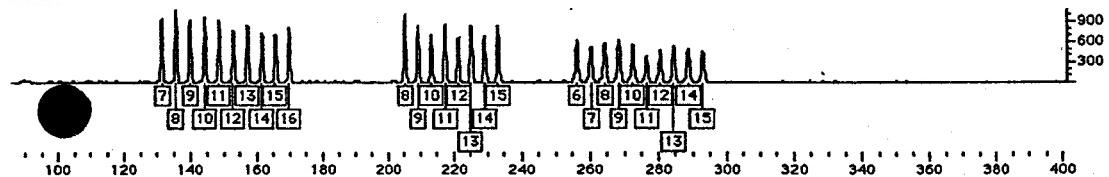
ADDER 1 Blue PP LADDER



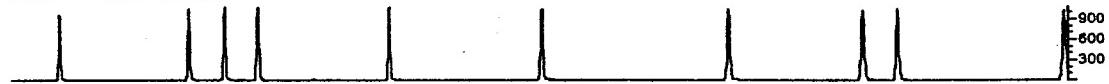
ADDER 1 Green PP LADDER



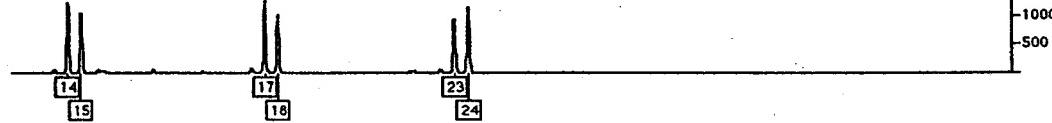
ADDER 1 Yellow PP LADDER



ADDER 1 Red PP LADDER



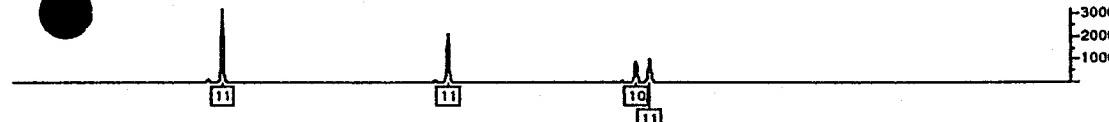
1PP 9947A 8 Blue 2641PP 9947A



1PP 9947A 8 Green 2641PP 9947A



1PP 9947A 8 Yellow 2641PP 9947A



1PP 9947A 8 Red 2641PP 9947A



12PP ... AMP CONT 9 Blue 2642PP NEG AMP CONT

No Size Data

12PP ... AMP CONT 9 Green 2642PP NEG AMP CONT

No Size Data

12PP ... AMP CONT 9 Yellow 2642PP NEG AMP CONT

No Size Data

AMP CONT 9 Red 2642PP NEG AMP CONT



STR TYPING RESULTS

Crime Lab #s:

0303339

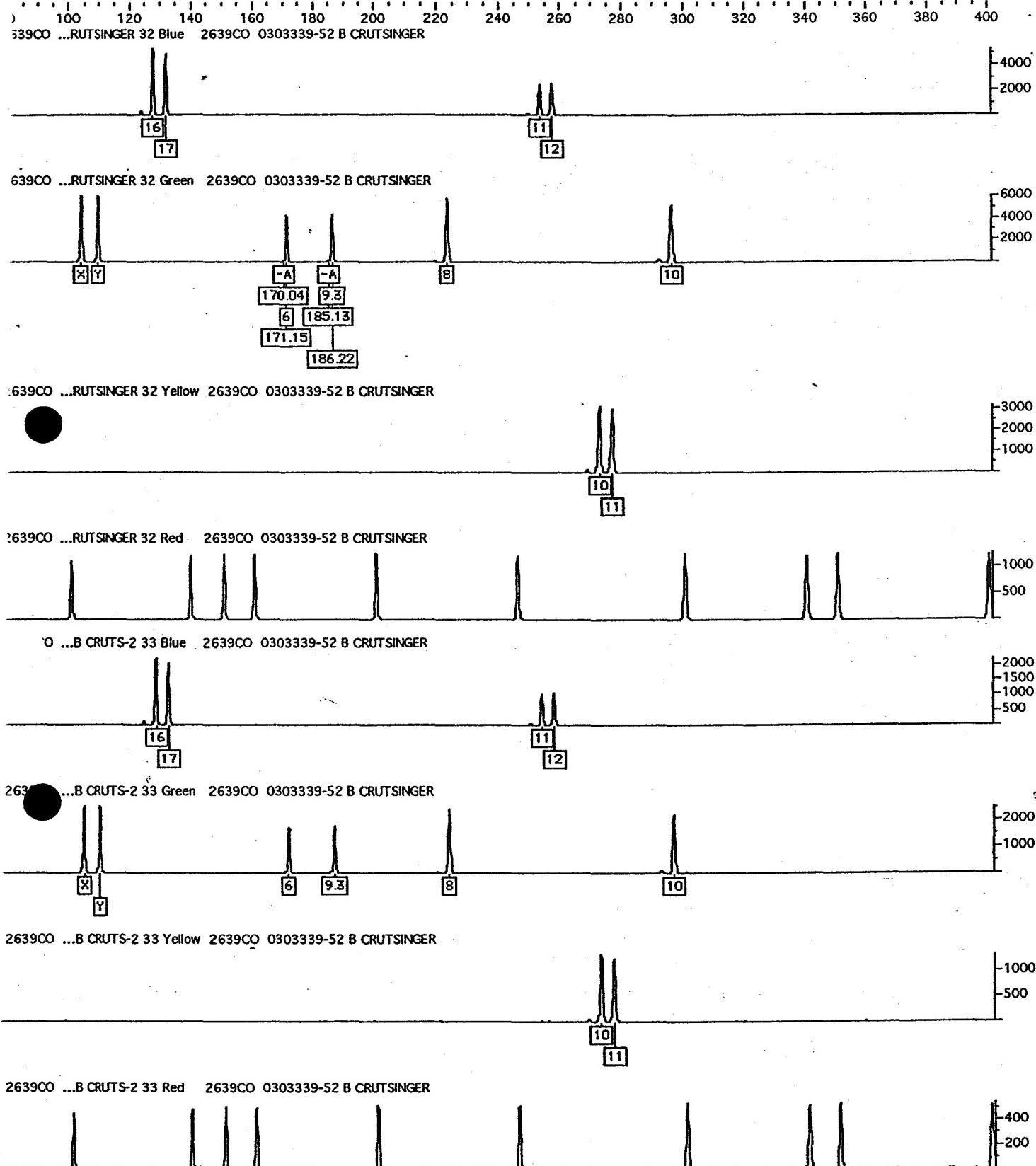
Cue

Analyst:

COfiler Alleles Detected:



Tube & Sample Name	Module	Inj. Secs	Inj. KV	Run KV	Run °C	Run Time
D2 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
A1 - 2625PP 0301210-26T1 CARPET	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
A3 - 2626PP 0301210-26T2 CARPET	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
A5 - 2627PP 0301210-27 CARPET	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
A7 - 2628PP 0301210-29 CARPET	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
A9 - 2629PP 0301210-30 CARPET	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
A11 - 2630PP 0301210-31 RYG	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
C9 - 2641PP 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
C11 - 2642PP NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
D2 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
B2 - 2631PP Q EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
B4 - 2632PP K EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
████████ 03000T-23 JEAN 1B	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
B8 - 2634PP 03000T-24 JEAN 2B\	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
B10 - 2635PP 03000T-26 GLASS\	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
D2 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
B12 - 2636PP 03000T-9 M MORENO	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
C1 - 2637PP 020858T-9 C PEREZ	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
C3 - 2638PP 03000T-22 E GONZALEZ	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
25 - 2639PP 0303339-52 B CRUTSINGER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
C7 - 2640PP 022054(O)-18L	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
C9 - 2641PP 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
C11 - 2642PP NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
D2 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
D4 - 2633CO 030006T-23 JEAN 1B	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
████████ 030006T-24 JEAN 2B	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
D8 - 2635CO 030006T-26 GLASS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E11 - CO LADDER ██████████	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
D10 - 2636CO 03000T-9 M MORENO	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
D12 - 26371CO Q EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E1 - 2632CO K EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E3 - 2639CO 0303339-52-B CRUTSINGER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E3 - 2639CO 0303339-52-B CRUTSINGER	GS STR POP4 (1 mL) F	2	15.0	15.0	60	25
E5 - 2620R CO 0306140-23 A GARCIA	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E7 - 2641CO 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E9 - 2642CO NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E11 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
8						



EXT CONTROLS
100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400
331CO ... EXT CONT 30 Blue 2631CO Q EXT CONT
(un)

No Size Data

331CO ... EXT CONT 30 Green 2631CO Q EXT CONT
(un)

No Size Data

331CO ... EXT CONT 30 Yellow 2631CO Q EXT CONT
(un)

No Size Data

331CO ... EXT CONT 30 Red 2631CO Q EXT CONT

i32CO K EXT CONT 31 Blue 2632CO K EXT CONT

No Size Data

332CO K EXT CONT 31 Green 2632CO K EXT CONT

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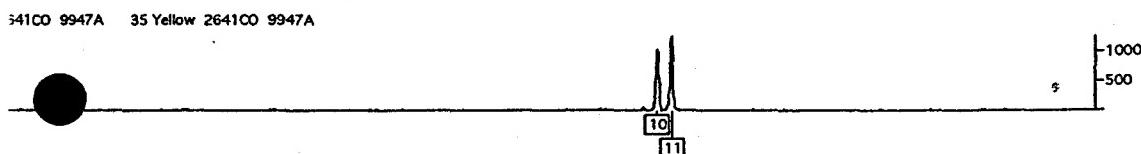
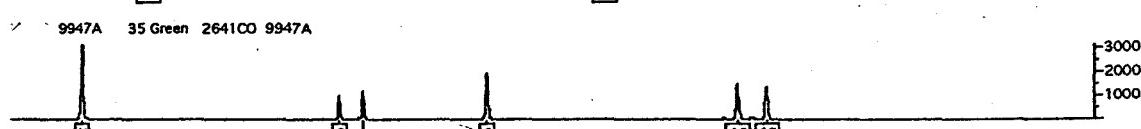
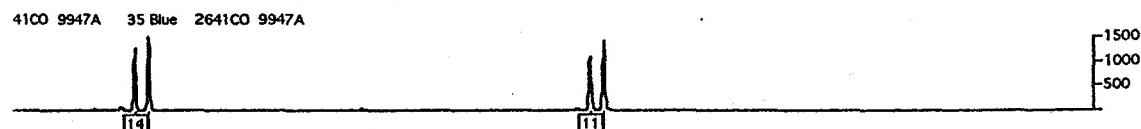
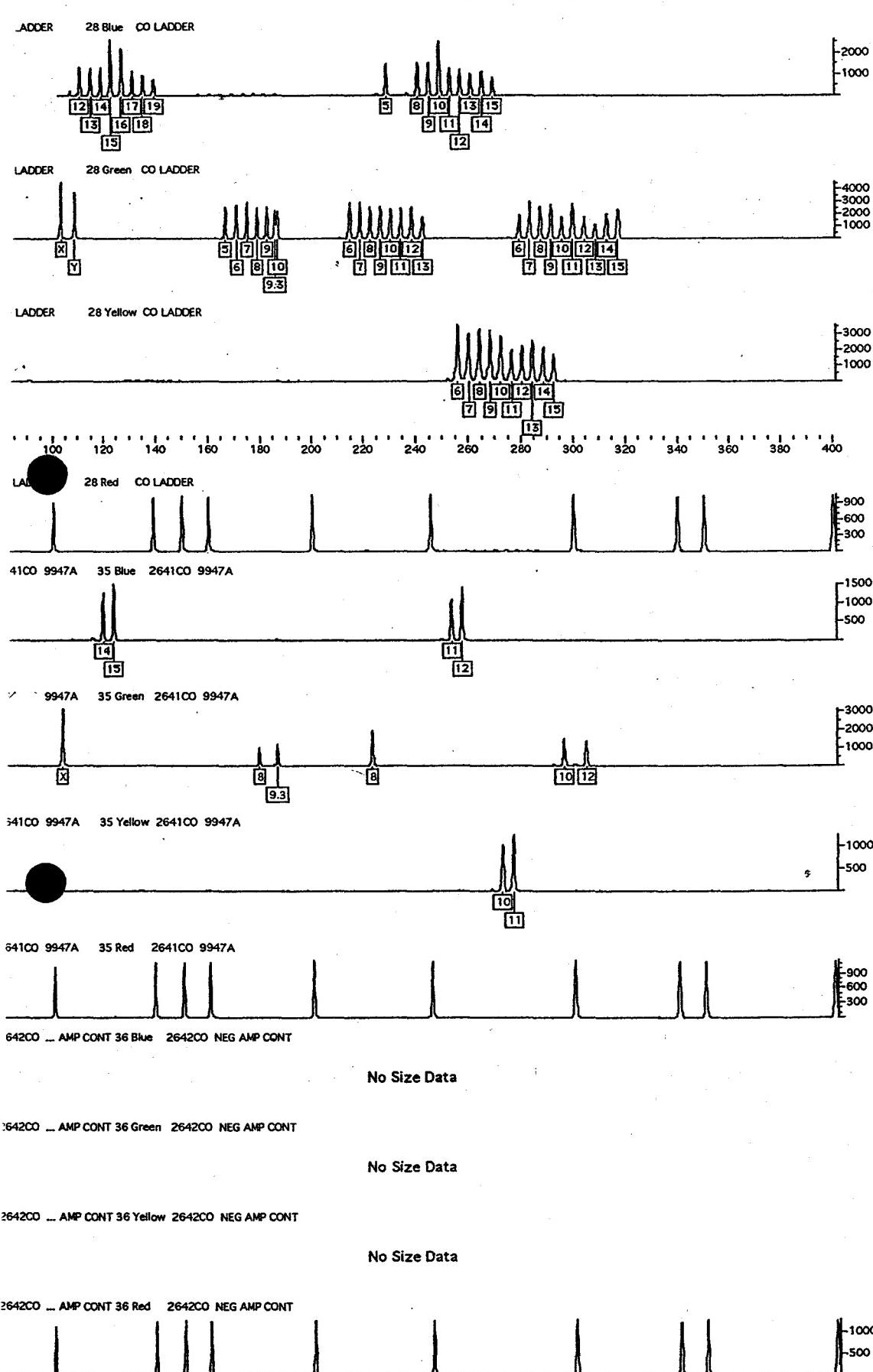
332CO K EXT CONT 31 Yellow 2632CO K EXT CONT

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600
300

1000
500



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No Size Data

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No Size Data

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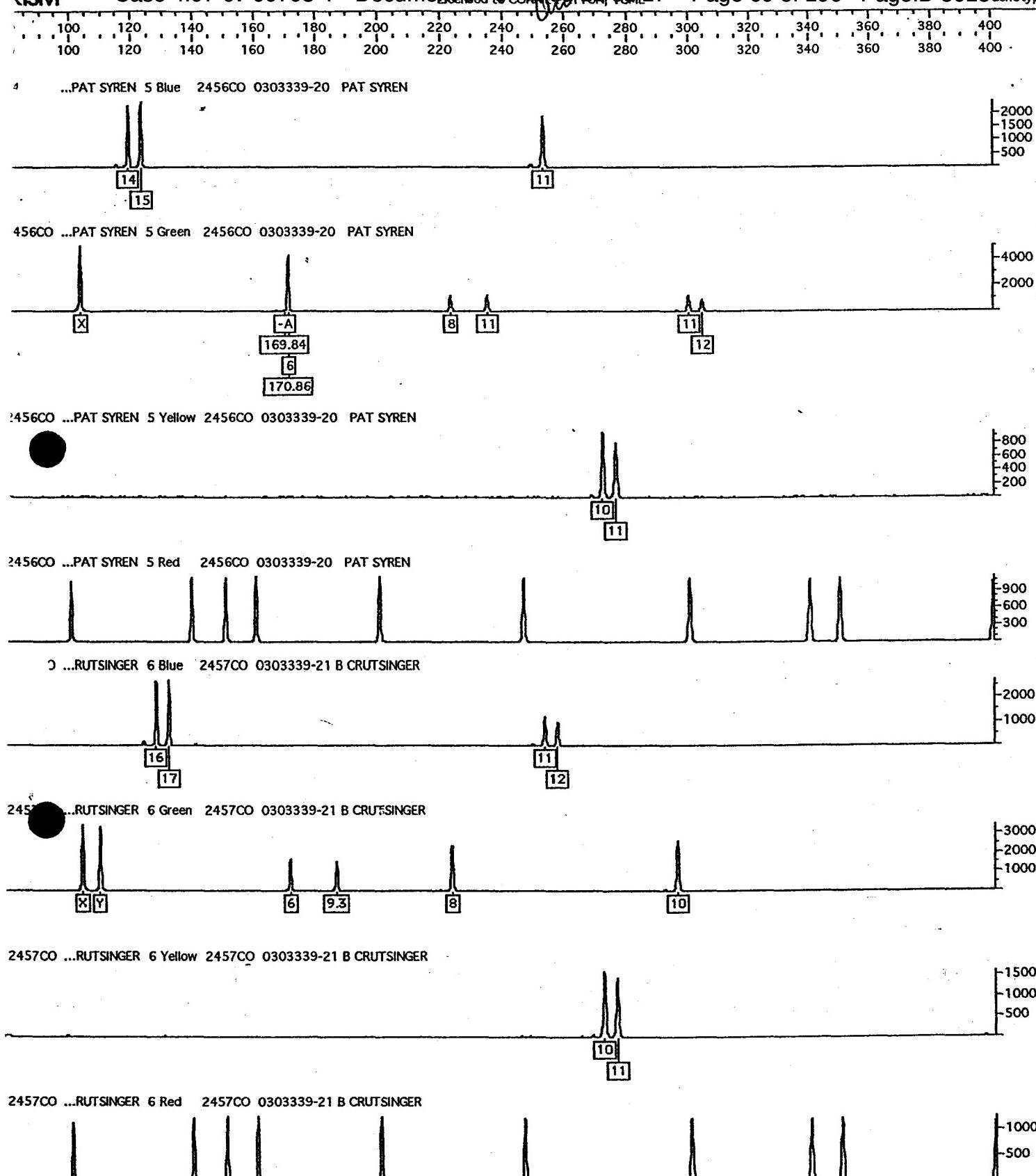
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1000

500

	Tube & Sample Name	Module	Inj. Secs	Inj. kV	Run kV	Run °C	Run Time
1	G3 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
2	G3 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
3	C7 - 2430CO Q EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
4	C11 - 2432CO K EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
5	D10 - 2456CO 0303339-20 PAT SYREN	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
6	D12 - 2457CO 0303339-21 B CRUTSINGER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
7	F8 - 2467CO 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
8	F10 - 2468CO NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
9	E1 - 2460CO 0305330-1.1 VAG SP	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
10	G3 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
11	E3 - 2461CO 0305330-1.4 A FREEMAN	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
12	E5 - 2462CO 0305330-8 JAMES SIMS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
13	E7 - 2463CO 0305136-7 EC SHORTS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
14	E9 - 2464CO 0305136-7 SP SHORTS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
15	F8 - 2467CO 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
16	E11 - 2465CO 0305136-8.9 E BAXLEY	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
17	F2 - 2466CO 0305136-9 A TIGNOR	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
	G3 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
19	F4 - 2469CO 030440-19.1 T1 JEANS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
20	F6 - 2471CO 030440-16 P MAGOURIK	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
21	F8 - 2467CO 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
22	F10 - 2468CO NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
23	F12 - 2479CO EC EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
24	G1 - 2481CO SP EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
25	G3 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
26							



100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400
1300Q Q EXT CONT 3 Blue 2430CO Q EXT CONT

No Size Data

1300Q Q EXT CONT 3 Green 2430CO Q EXT CONT

No Size Data

1300Q Q EXT CONT 3 Yellow 2430CO Q EXT CONT



130CO Q EXT CONT 3 Red 2430CO Q EXT CONT



432CO K EXT CONT 4 Blue 2432CO K EXT CONT

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K EXT CONT 4 Yellow 2432CO K EXT CONT



432CO K EXT CONT 4 Red 2432CO K EXT CONT

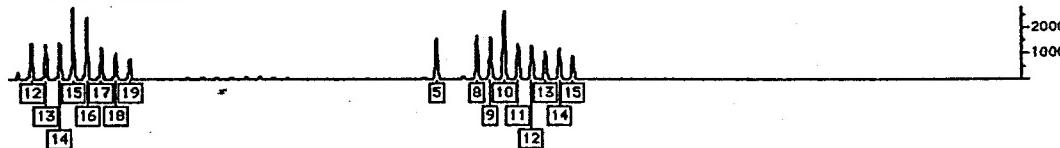


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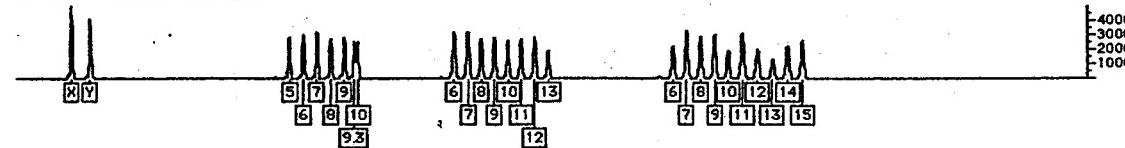
Case 4:07-cv-00703-Y Document 17-3 Filed 12/12/17 Page 71 of 196 PageID 5017

CO LADDER & AMP CONTROLS
Labeled to COMM-FOR-REF

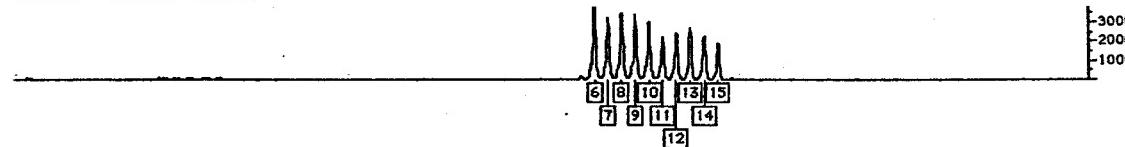
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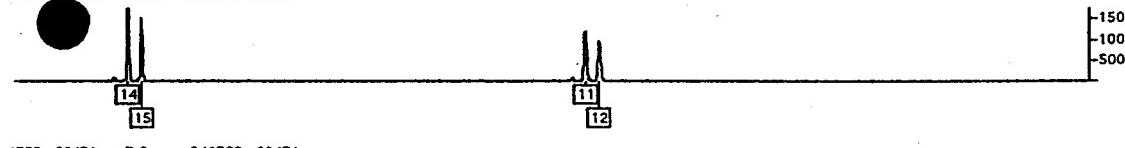
LADDER-3 10 Green CO LADDER



LADDER-3 10 Yellow CO LADDER



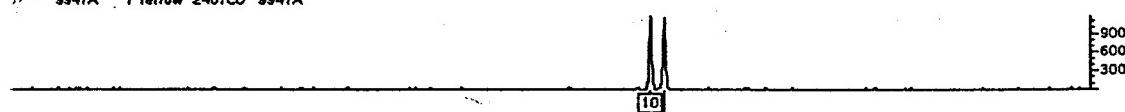
37CO 9947A 7 Blue 2467CO 9947A



37CO 9947A 7 Green 2467CO 9947A



37CO 9947A 7 Yellow 2467CO 9947A



37CO 9947A 7 Red 2467CO 9947A



58CO ... AMP CONT 8 Blue 2468CO NEG AMP CONT

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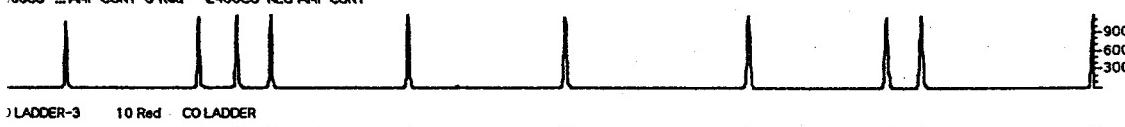
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58CO ... AMP CONT 8 Red 2468CO NEG AMP CONT



LADDER-3 10 Red CO LADDER



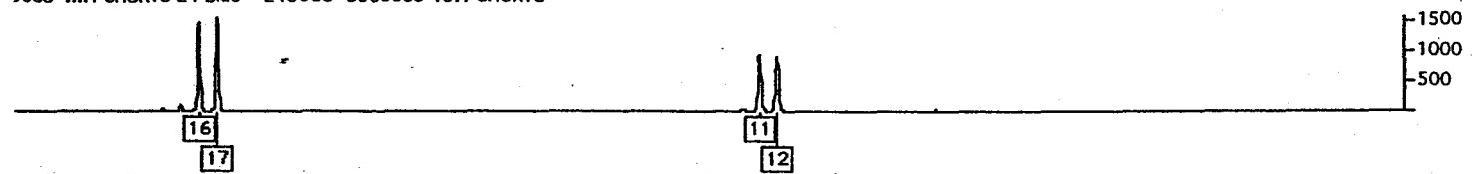


0303339

Page 1 of 1

Tube & Sample Name	Module	Inj. Secs	Inj. kV	Run kV
B6 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0
B6 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0
A1 - 2451R PP 0303339-30T1 JEAN POCK	GS STR POP4 (1 mL) F	5	15.0	15.0
A3 - 2452R PP 0303339-30T2 JEAN POCK	GS STR POP4 (1 mL) F	5	15.0	15.0
A5 - 2482PP 010679T-27 M PEAKE	GS STR POP4 (1 mL) F	5	15.0	15.0
A7 - 2483PP 010679T-28 B BALLARD	GS STR POP4 (1 mL) F	5	15.0	15.0
A9 - 2484PP 010679T-29 D FROMME	GS STR POP4 (1 mL) F	5	15.0	15.0
A11 - 2485PP 010679T-30 T MILLS	GS STR POP4 (1 mL) F	5	15.0	15.0
B2 - 2486PP 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0
B4 - 2487PP NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0
B6 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0
B8 - 2382CO 030004T-26.5 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0
D0 - 2426CO 0203115-48 GLASS	GS STR POP4 (1 mL) F	5	15.0	15.0
D2 - 2427A SO 0306033-1.1T1 MASK	GS STR POP4 (1 mL) F	5	15.0	15.0
C1 - 2427B CO 0306033-1.2 T1 MASK	GS STR POP4 (1 mL) F	5	15.0	15.0
F8 - 2467CO 0303339-19.1 T1	GS STR POP4 (1 mL) F	5	15.0	15.0
F10 - 2468CO NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0
G3 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0
C3 - 2428CO 0305804-1.1 TISSUE	GS STR POP4 (1 mL) F	5	15.0	15.0
C5 - 2429CO 0305806-1 SWAB	GS STR POP4 (1 mL) F	5	15.0	15.0
D7 - 2435CO 0303339-19.1 T1	GS STR POP4 (1 mL) F	5	15.0	15.0
D9 - 2431CO 0303339-19.1 T1	GS STR POP4 (1 mL) F	5	15.0	15.0
C11 - 2432CO SP EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0
D2 - 2436CO 0303339-19.1 SHORTS	GS STR POP4 (1 mL) F	5	15.0	15.0
D4 - 2449CO 0303339-27T4 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0
D6 - 2451CO 0303339-30T1 JEAN POCK	GS STR POP4 (1 mL) F	5	15.0	15.0
E2 - 2452CO 0303339-30T2 JEAN POCK	GS STR POP4 (1 mL) F	5	15.0	15.0
G3 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0
F8 - 2467CO 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0
F10 - 2468CO NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0
D10 - 2456CO 0303339-20 PAT SYREN	GS STR POP4 (1 mL) F	5	15.0	15.0
D12 - 2457CO 0303339-21 B CRUTSINGER	GS STR POP4 (1 mL) F	5	15.0	15.0
E1 - 2460CO 0305330-1.1 VAG SP	GS STR POP4 (1 mL) F	5	15.0	15.0
E3 - 2461CO 0305330-1.4 A FREEMAN	GS STR POP4 (1 mL) F	5	15.0	15.0
E5 - 2462CO 0305330-8 JAMES SIMS	GS STR POP4 (1 mL) F	5	15.0	15.0
G1 - 2481CO SP EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0
G3 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0
F4 - 2469CO 030440-19.1 T1 JEANS	GS STR POP4 (1 mL) F	5	15.0	15.0
F6 - 2471CO 030440-16 P MAGOUIRK	GS STR POP4 (1 mL) F	5	15.0	15.0

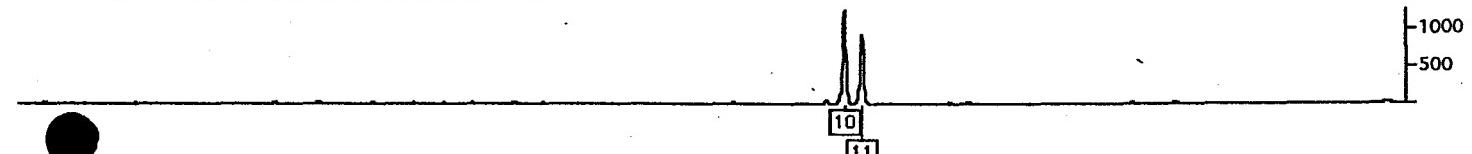
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36CO1 SHORTS 24 Green 2436CO 0303339-19.1 SHORTS



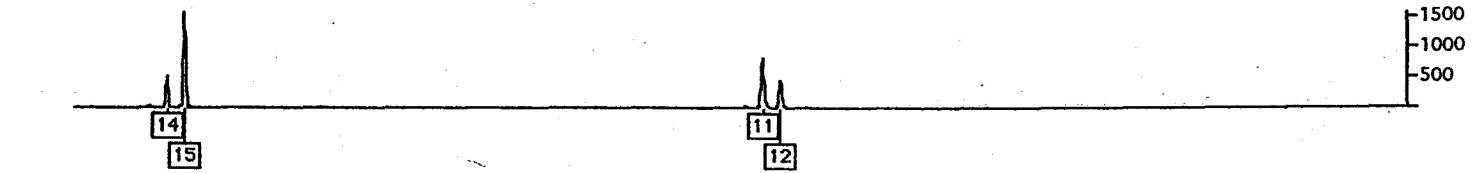
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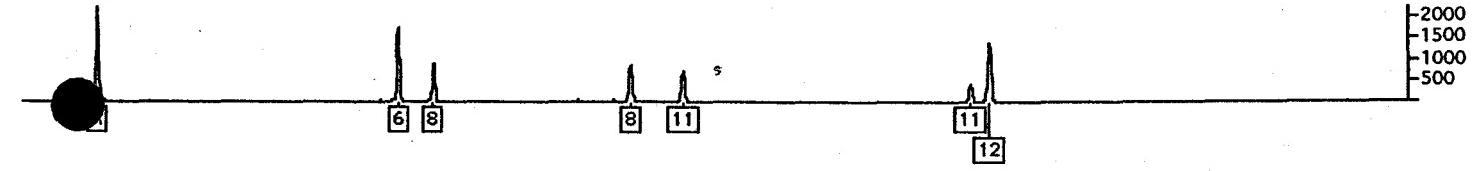
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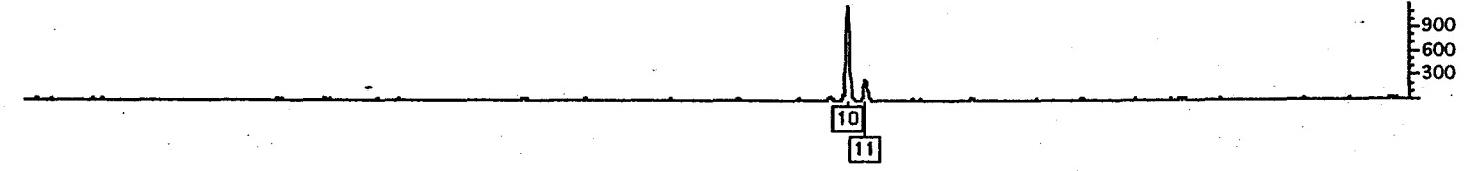
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19CO ...7T4 SHIRT 25 Green 2449CO 0303339-27T4 SHIRT

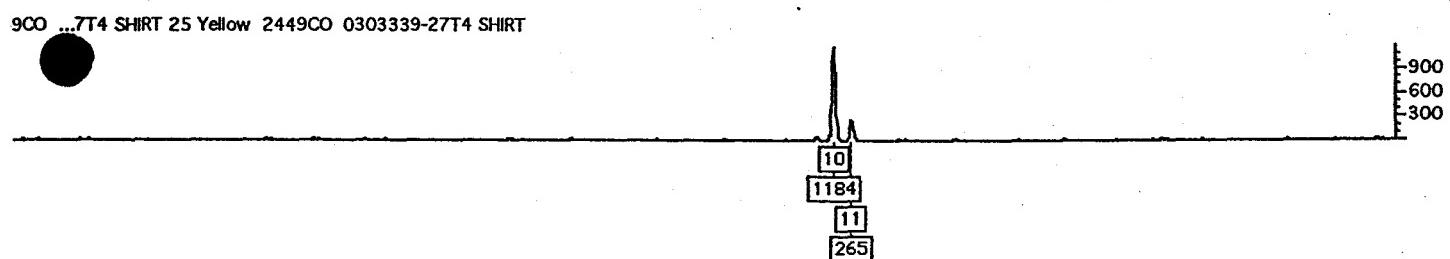
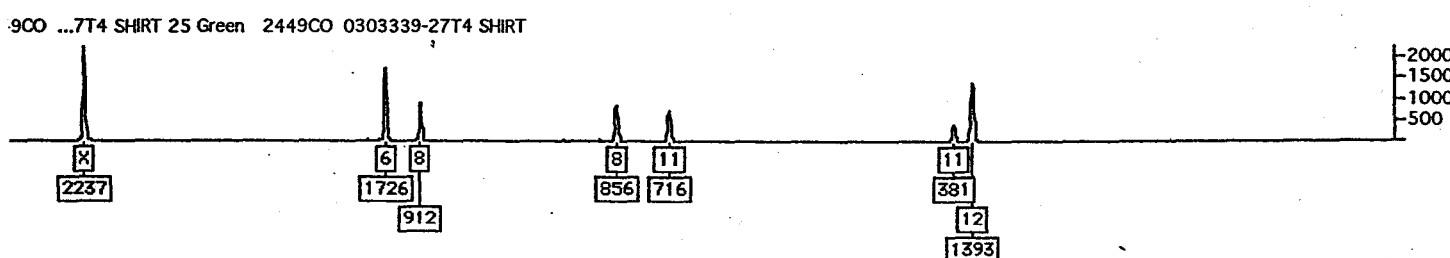
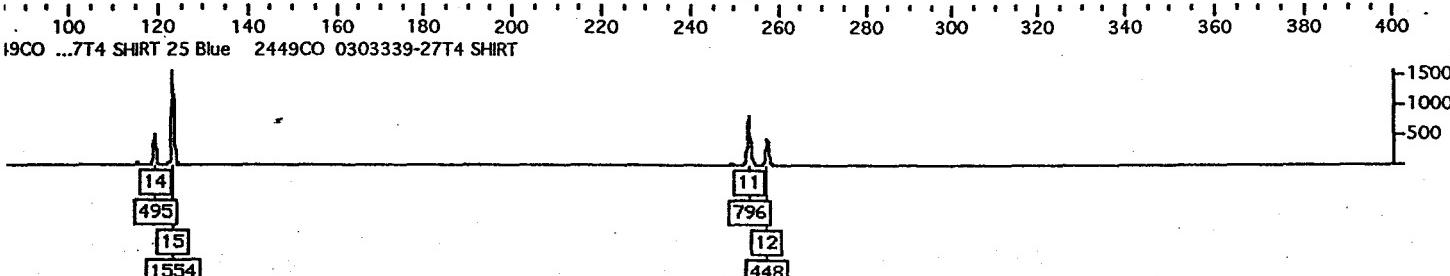


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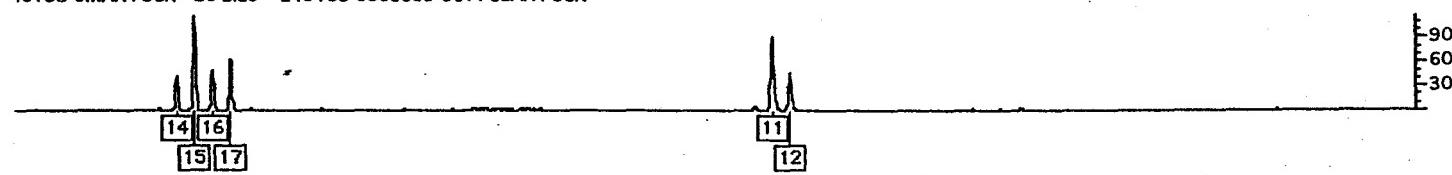


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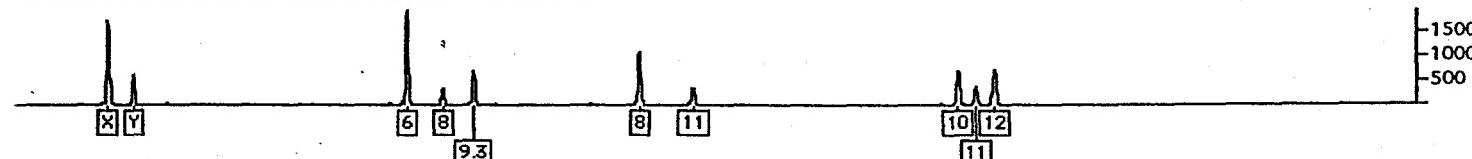




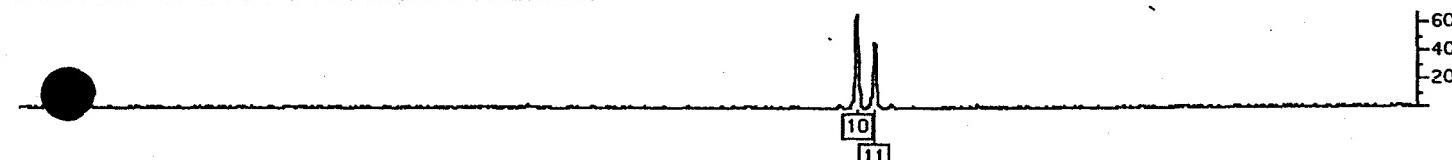
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+51CO 0...AN POCK 26 Green 2451CO 0303339-30T1 JEAN POCK



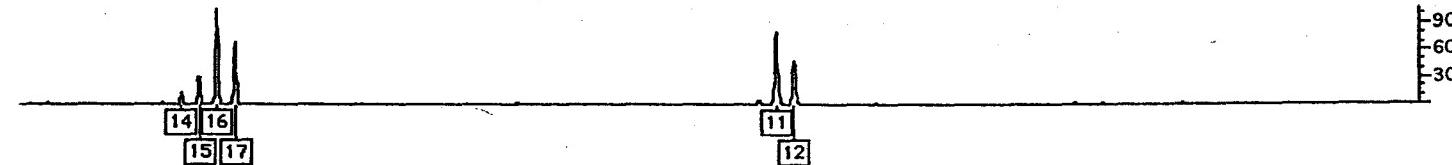
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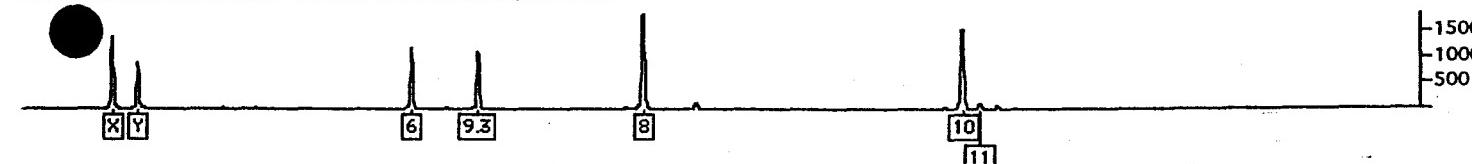
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+52CO ...EAN POCKT 27 Blue 2452CO 0303339-30T2 JEAN POCKT



+52CO ...EAN POCKT 27 Green 2452CO 0303339-30T2 JEAN POCKT



+52CO ...EAN POCKT 27 Yellow 2452CO 0303339-30T2 JEAN POCKT

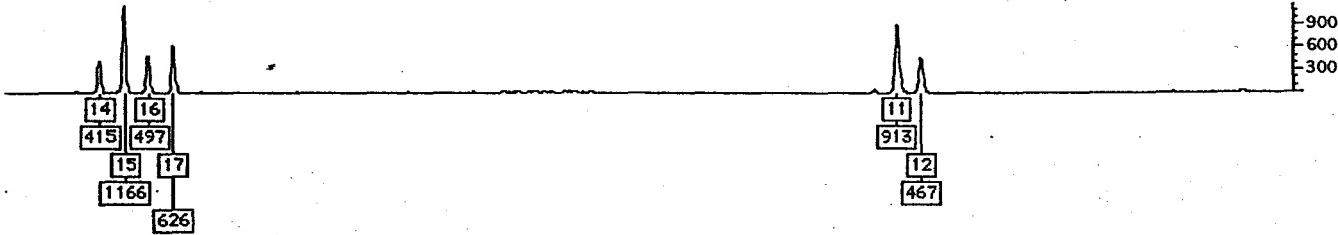


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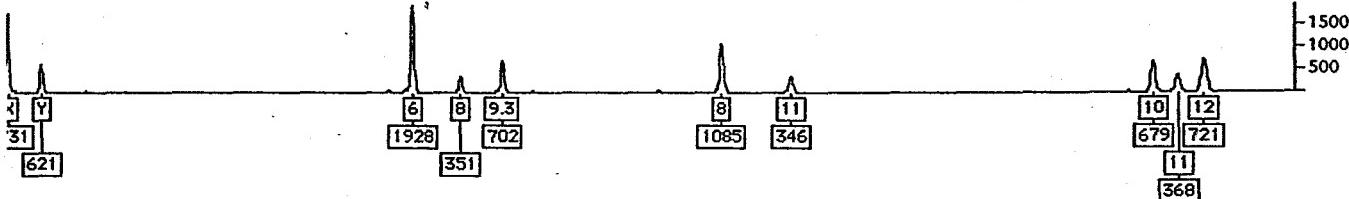


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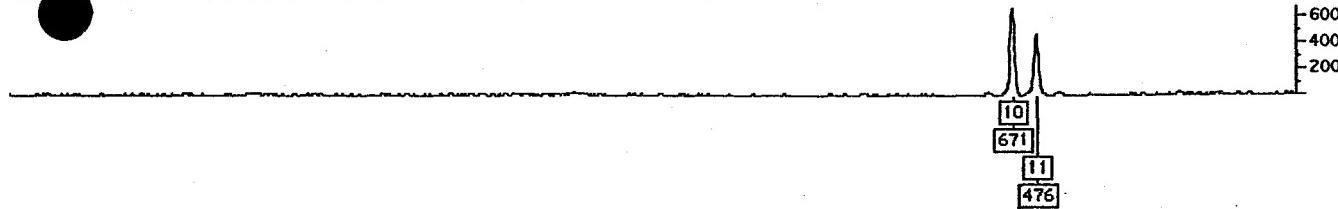
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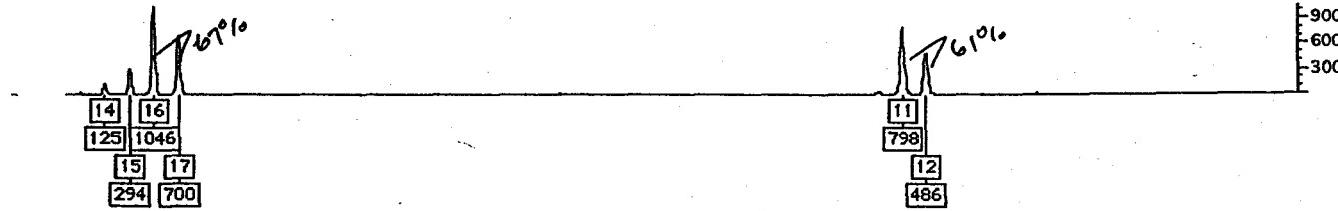
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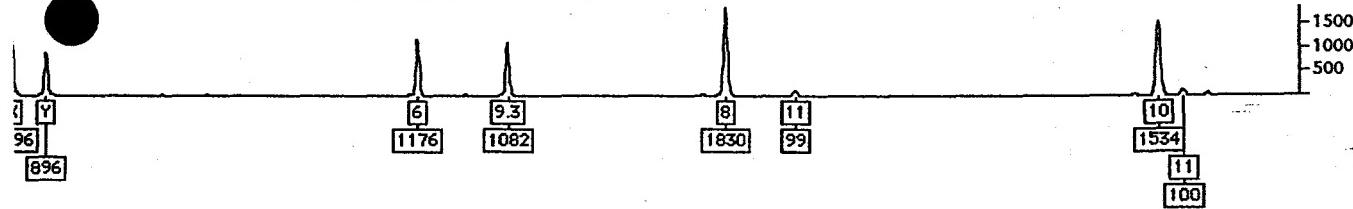
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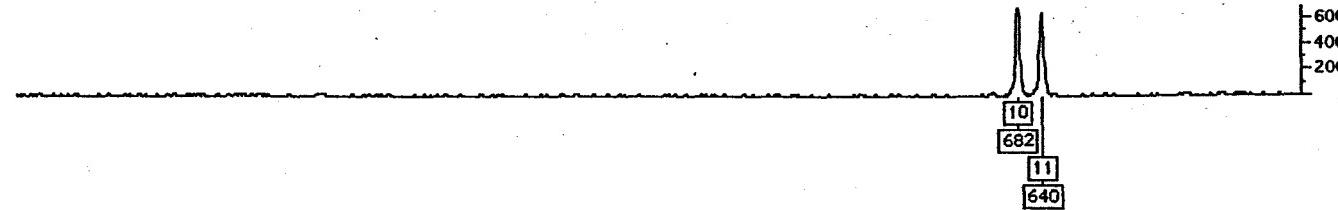
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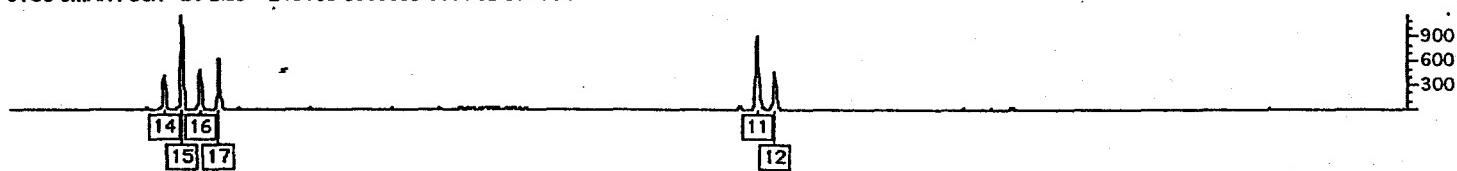
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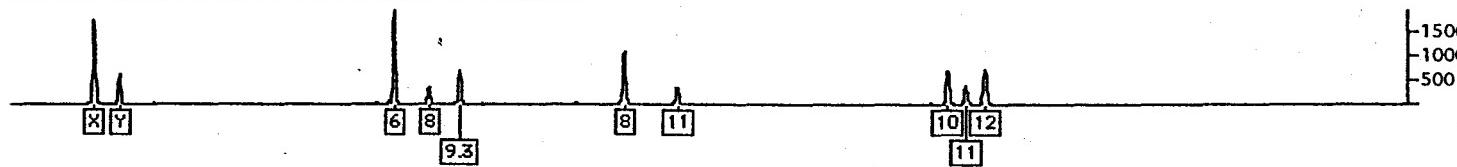
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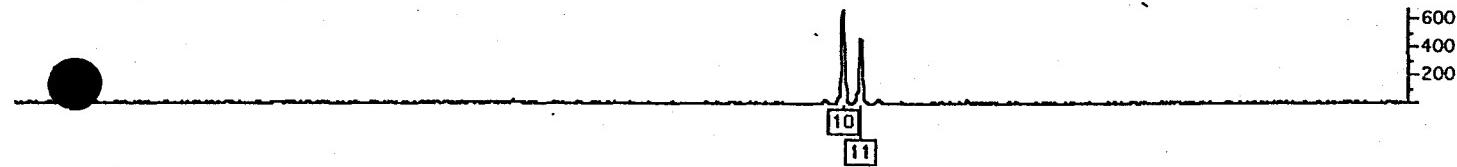
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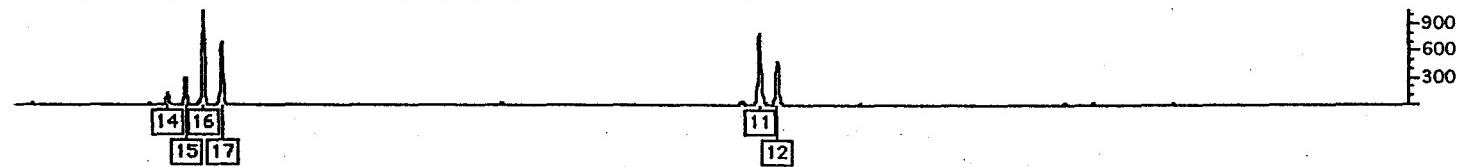
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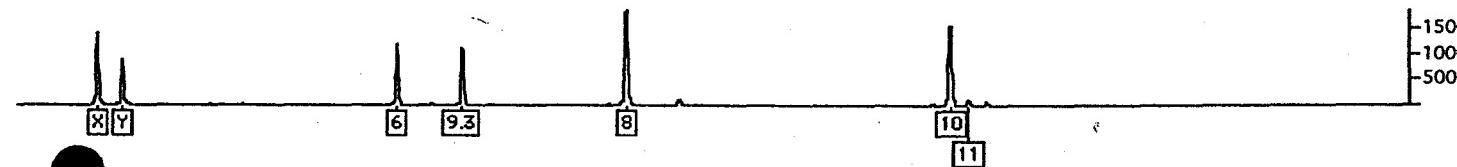
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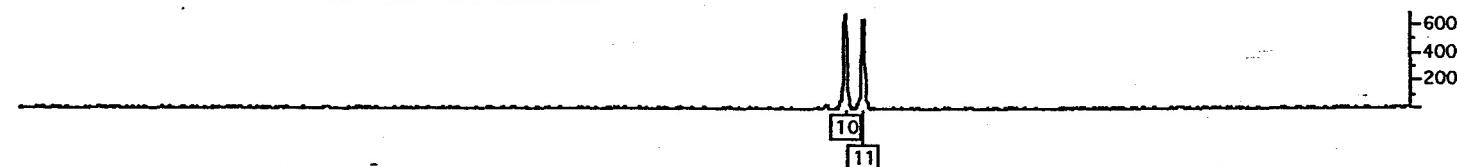
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80
60
40
20

30CO Q EXT CONT 21 Green 2430CO Q EXT CONT

200
100

30CO Q EXT CONT 21 Yellow 2430CO Q EXT CONT

No Size Data

30CO Q EXT CONT 21 Red 2430CO Q EXT CONT

1000
500

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No Size Data

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No Size Data

... EXT CONT 22 Yellow 2431CO Q CLX EXT CONT

No Size Data

31CO ... EXT CONT 22 Red 2431CO Q CLX EXT CONT

1000
500

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No Size Data

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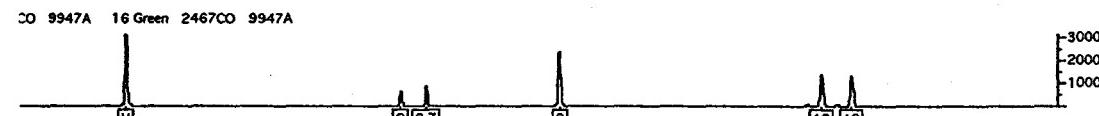
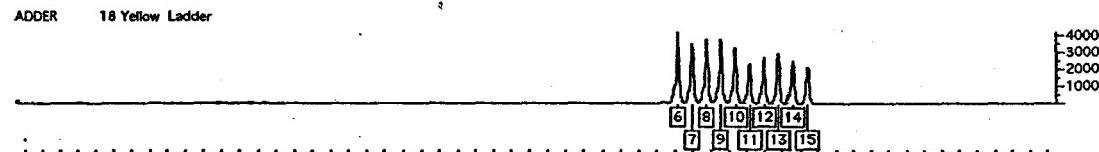
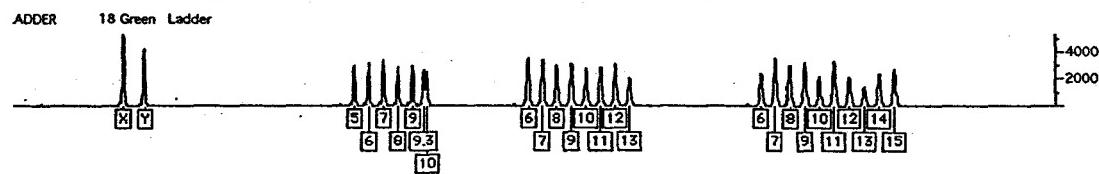
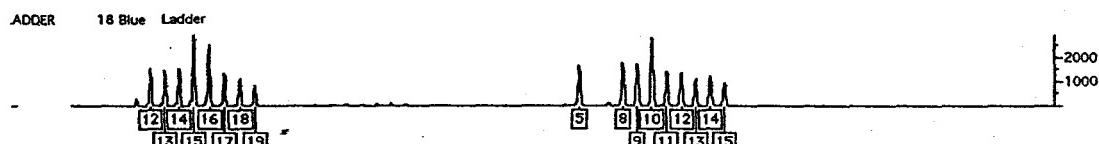
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200 K EXT CONT 23 Red 2432CO K EXT CONT

1000
500

PP LADDER & AMP CONTROLS

Licensed to CONNIE PARSON, TARRANT CO. MED EXAMINER



D ... AMP CONT 17 Blue 2468CO NEG AMP CONT

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No Size Data

D ... AMP CONT 17 Yellow 2468CO NEG AMP CONT -

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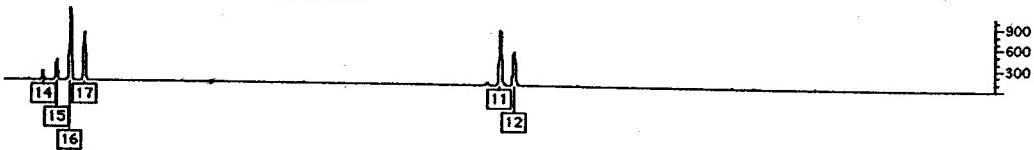


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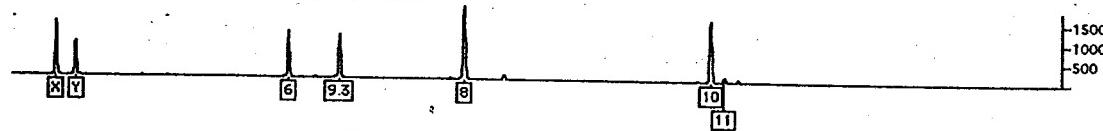


0303339 CO
Licensed to CONNIE PATTON MARAANT CO. MED EXAMINER

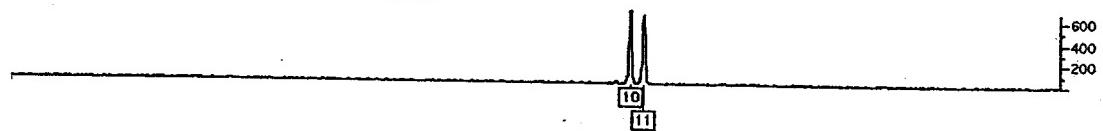
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CO ...EAN POCKT 27 Green 2452CO 0303339-30T2 JEAN POCKT

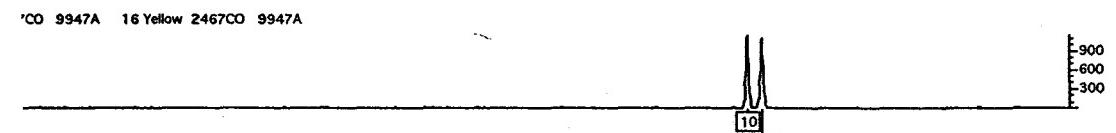
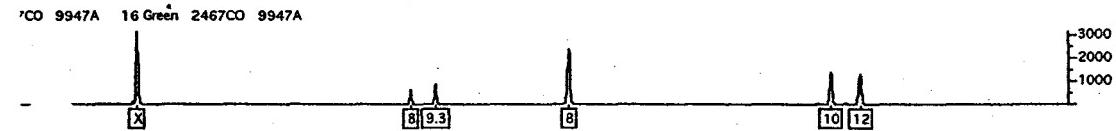
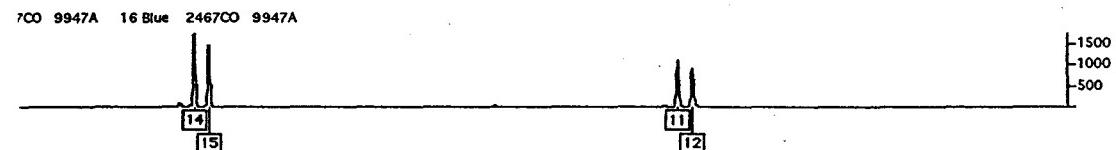
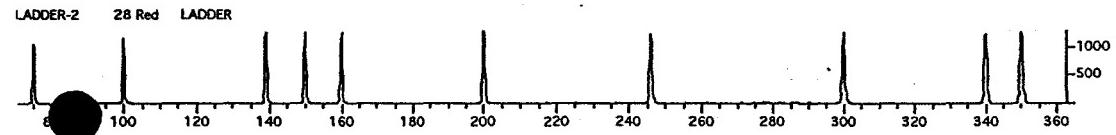
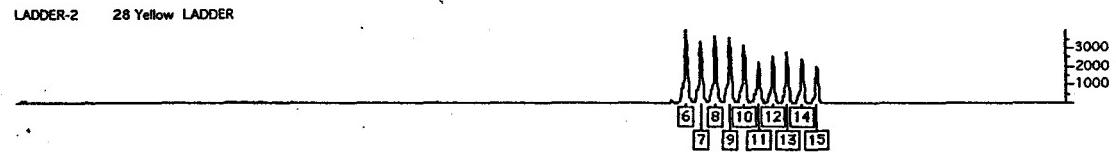
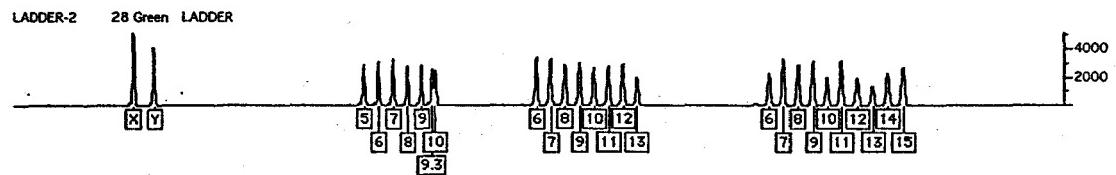


CO ...EAN POCKT 27 Yellow 2452CO 0303339-30T2 JEAN POCKT



CO ...EAN POCKT 27 Red 2452CO 0303339-30T2 JEAN POCKT



CO LADDER & AMP CONTROL
Licensed to CONNIE PATTON, ARKANSAS MEDICAL EXAMINER

7CO ... AMP CONT 17 Blue 2468CO NEG AMP CONT

No Size Data

7CO ... AMP CONT 17 Green 2468CO NEG AMP CONT

No Size Data

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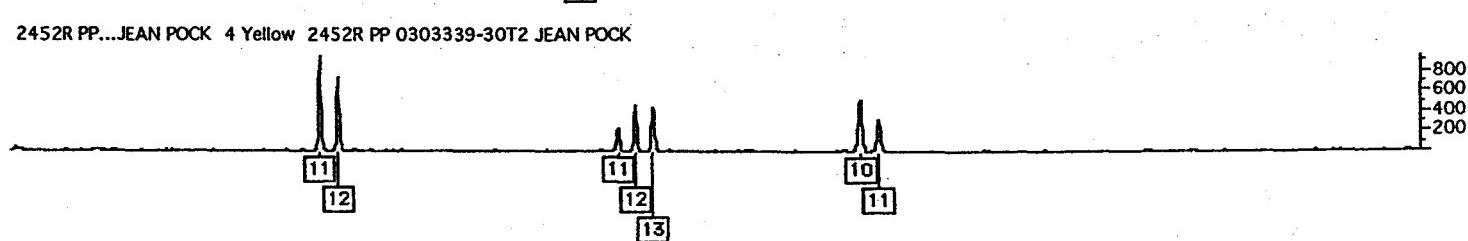
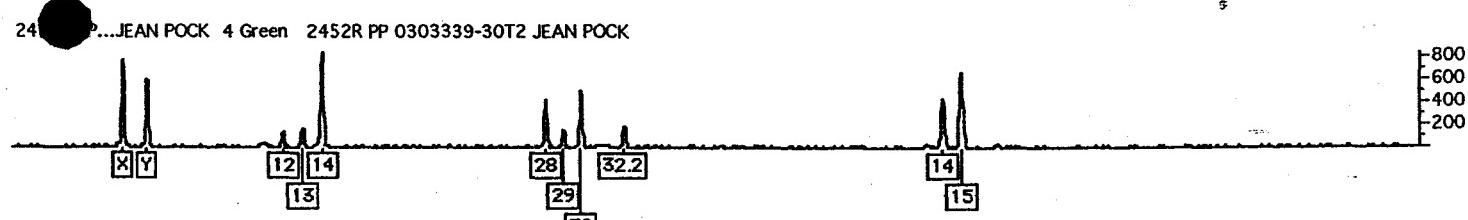
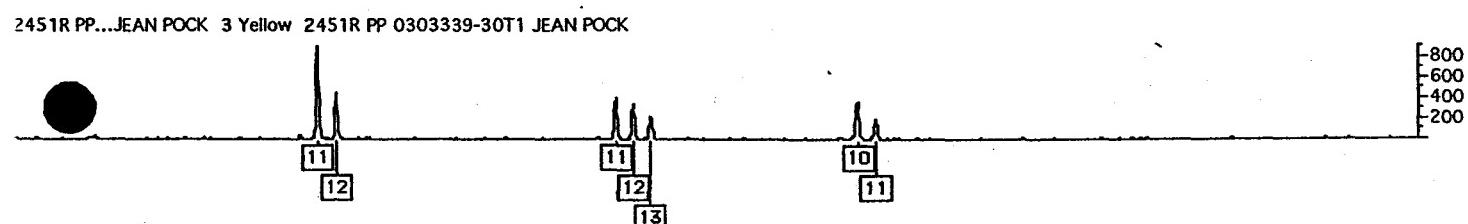
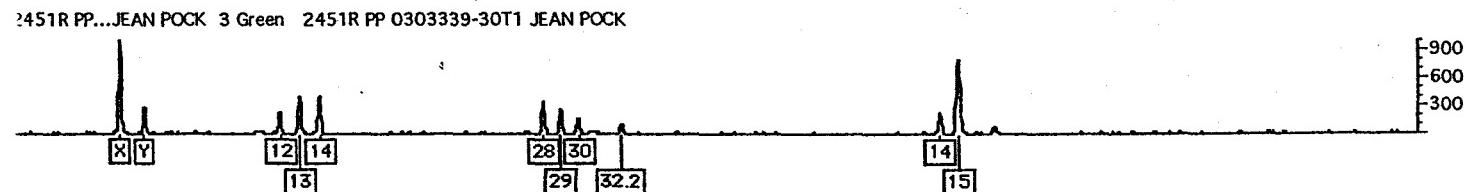
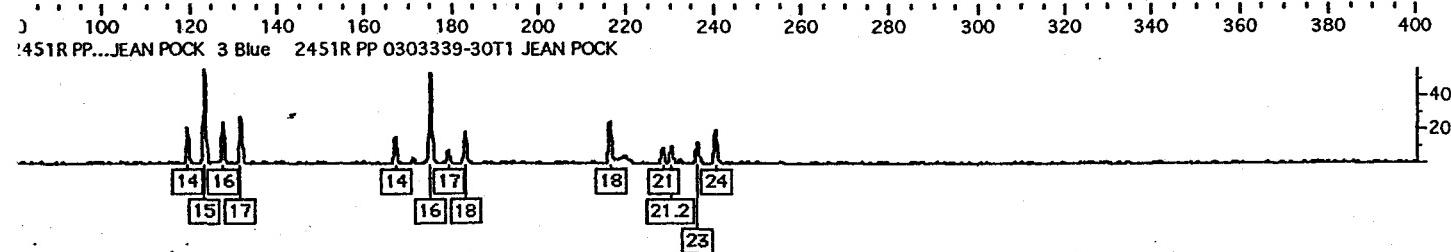
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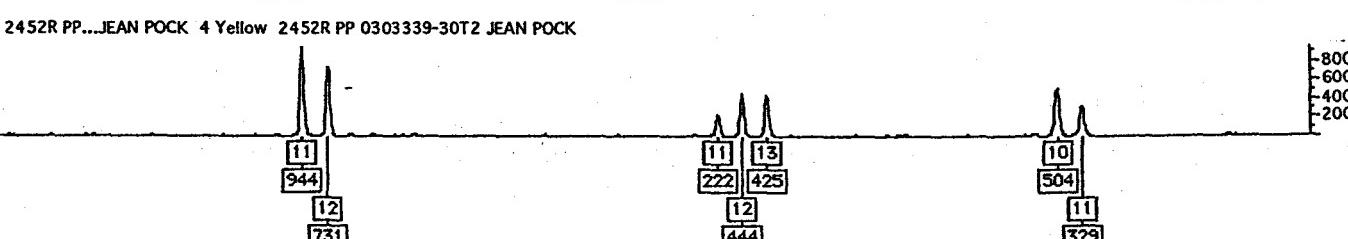
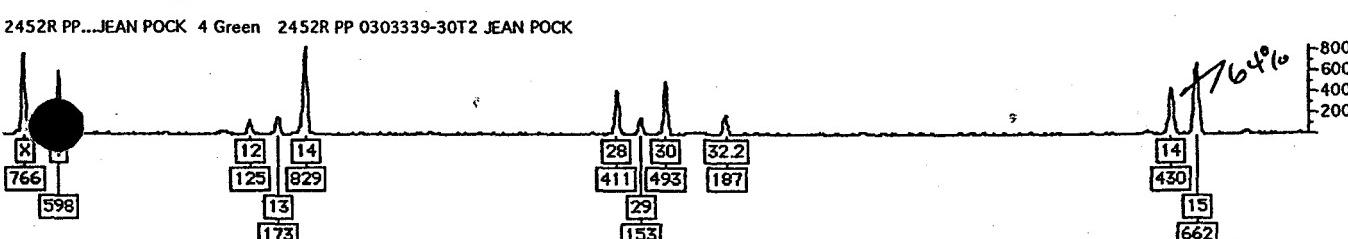
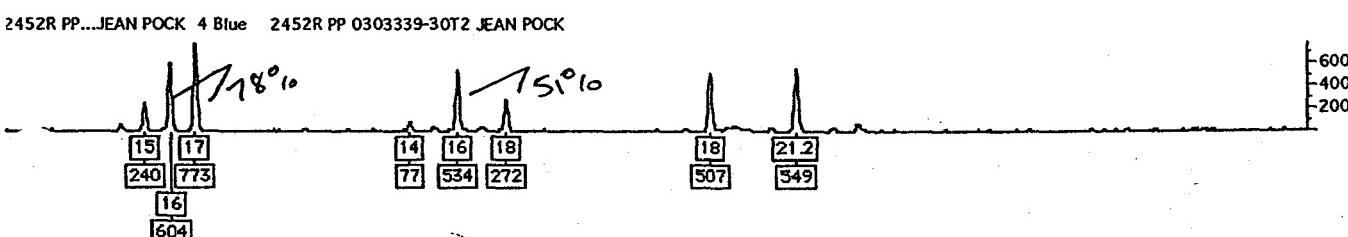
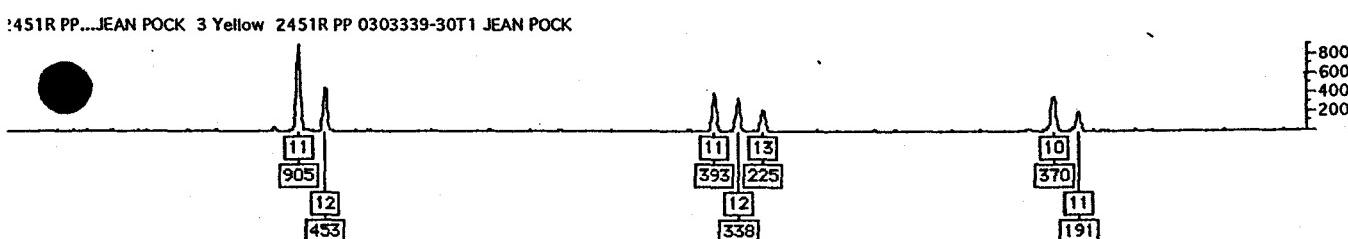
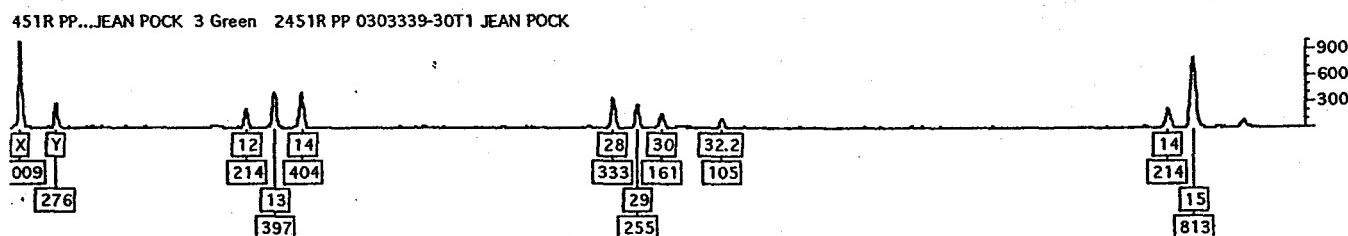
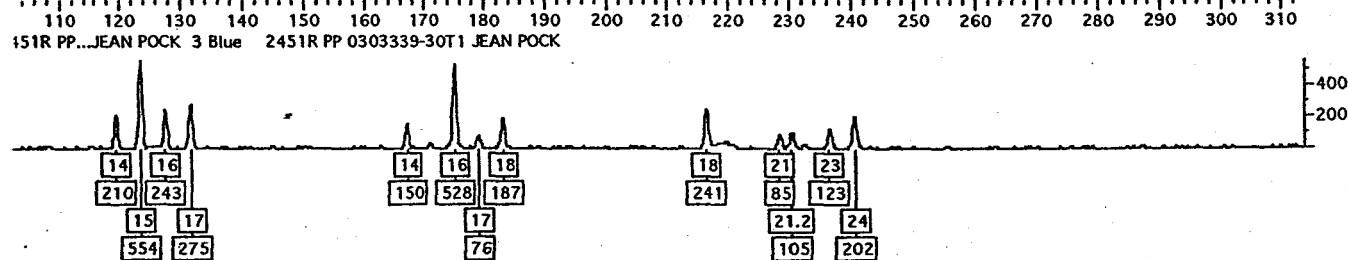
7CO ... AMP CONT 17 Red 2468CO NEG AMP CONT





Tube & Sample Name	Module	Inj. Secs	Inj. kV	Run kV	Run °C	Run Time	Matrix file	Auto Anlyz
- PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B6 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
A1 - 2451R PP 0303339-30T1 JEAN POCK	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
A3 - 2452R PP 0303339-30T2 JEAN POCK	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
A5 - 2482PP 010679T-27 M PEAKE	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
A7 - 2483PP 010679T-28 B BALLARD	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
A9 - 2484PP 010679T-29 D FROMME	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
A11 - 2485PP 010679T-30 T MILLS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B2 - 2486PP 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B4 - 2487PP NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B6 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B8 - 2382CO 030004T-26.5 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B10 - 2426CO 0203115-48 GLASS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B12 - 2427A SO 0306033-1.1T1 MASK	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
C1 - 2427B CO 0306033-1.2 T1 MASK	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
M - 2467CO 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F10 - 2468CO NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
G3 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
C3 - 2428CO 0305804-1.1 TISSUE	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
C5 - 2429CO 0305806-1 SWAB	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
C7 - 2430CO Q EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
C9 - 2431CO Q CLX EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
C11 - 2432CO K EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
D2 - 2436CO 0303339-19.1 SHORTS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
- 2449CO 0303339-27T4 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
D6 - 2451CO 0303339-30T1 JEAN POCK	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
D8 - 2452CO 0303339-30T2 JEAN POCK	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
G3 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F8 - 2467CO 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F10 - 2468CO NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
- 2456CO 0303339-20 PAT SYREN	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
D4 - 2457CO 0303339-21 B CRUTSINGER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
E1 - 2460CO 0305330-1.1 VAG SP	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
E3 - 2461CO 0305330-1.4 A FREEMAN	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
E5 - 2462CO 0305330-8 JAMES SIMS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
G1 - 2481CO SP EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
G3 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F4 - 2469CO 030440-19.1 T1 JEANS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F6 - 2471CO 030440-16 P MAGOURIK	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off



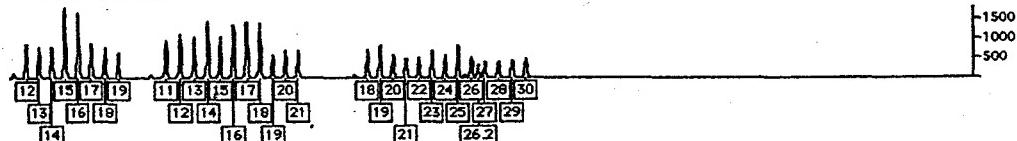


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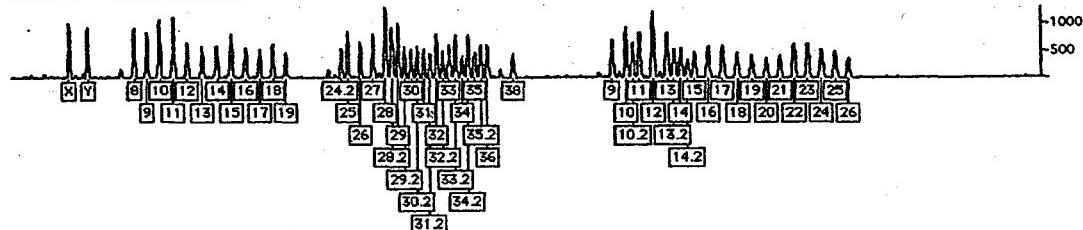
Case 4:07-cv-00703-Y Document 87-3 Filed 07/22/17 Page 85 of 196 PageID 5031

pp ladder & AMP CONTROLS
Labeled to correspond to lanes

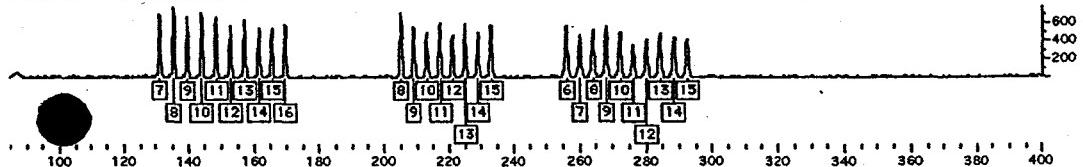
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LADDER-2 2 Green PP LADDER



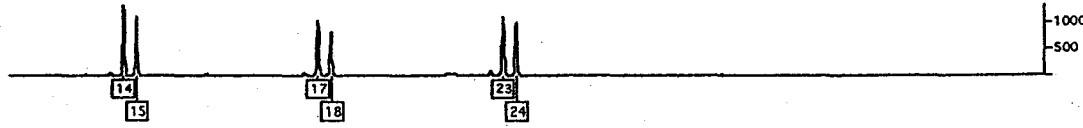
LADDER-2 2 Yellow PP LADDER



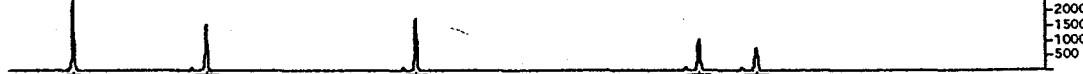
LADDER-2 2 Red PP LADDER



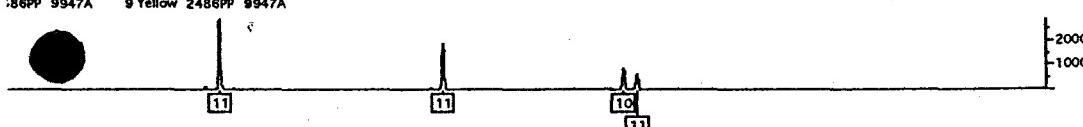
86PP 9947A 9 Blue 2486PP 9947A



86PP 9947A 9 Green 2486PP 9947A



86PP 9947A 9 Yellow 2486PP 9947A



86PP 9947A 9 Red 2486PP 9947A



187PP ... AMP CONT 10 Blue 2487PP NEG AMP CONT

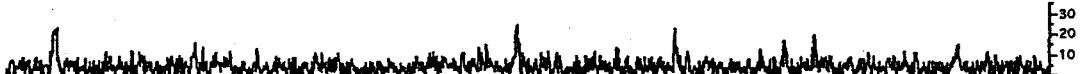


187PP ... AMP CONT 10 Green 2487PP NEG AMP CONT



No Size Data

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487PP ... AMP CONT 10 Red 2487PP NEG AMP CONT

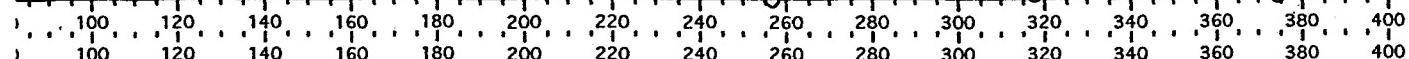




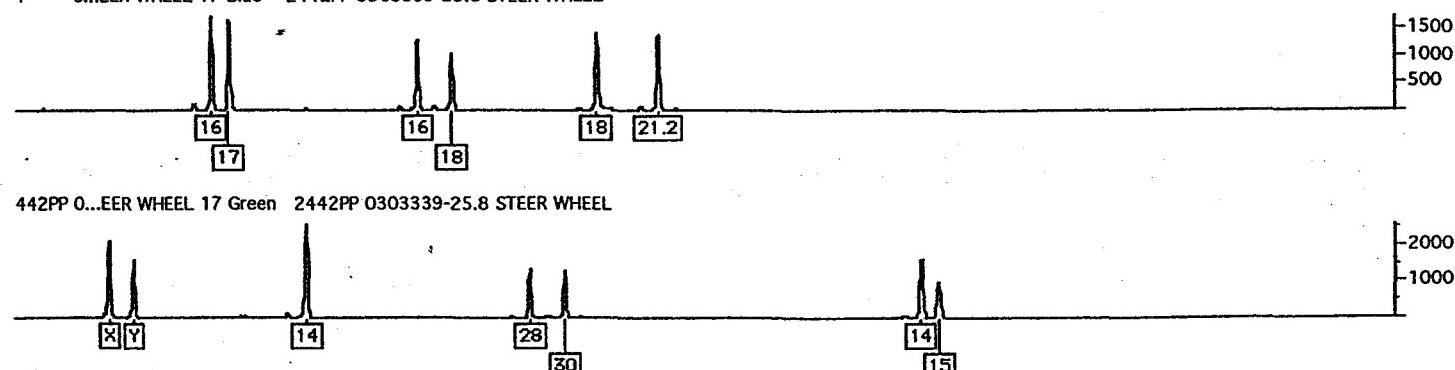
Injection List 7/18/03 11:17 AM

030333 cur

Tube & Sample Name	Module	Inj. Secs	Inj. KV	Run KV	Run °C
H10 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60
D12 - 2430PP ORG Q EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60
E3 - 2432PP K EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60
F10 - 2467PP 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60
F12 - 2468PP NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60
G1 - 2472PP 0305837-3 EC ORAL	GS STR POP4 (1 mL) F	5	15.0	15.0	60
G3 - 2473PP 0305837-3 SP ORAL	GS STR POP4 (1 mL) F	5	15.0	15.0	60
G5 - 2474PP 0305837-2 PAPER	GS STR POP4 (1 mL) F	5	15.0	15.0	60
G7 - 2475PP 0305837-2 SP PAPER	GS STR POP4 (1 mL) F	5	15.0	15.0	60
H10 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60
████████ 2476PP 0305837-8 PENILE	GS STR POP4 (1 mL) F	5	15.0	15.0	60
G11 - 2477PP 0305837-12 E MARTINEZ	GS STR POP4 (1 mL) F	5	15.0	15.0	60
H2 - 2478PP 0305837-13 B MENDOZA	GS STR POP4 (1 mL) F	5	15.0	15.0	60
H6 - 2480PP EC2 EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60
H8 - 2481PP SP EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60
H10 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60
B4 - 2442PP 0303339-25.8 STEER WHEEL	GS STR POP4 (1 mL) F	5	15.0	15.0	60
C7 - 2450PP 0303339-27T5 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60
F10 - 2467PP 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60
H10 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60



442PP O...EER WHEEL 17 Blue 2442PP 0303339-25.8 STEER WHEEL



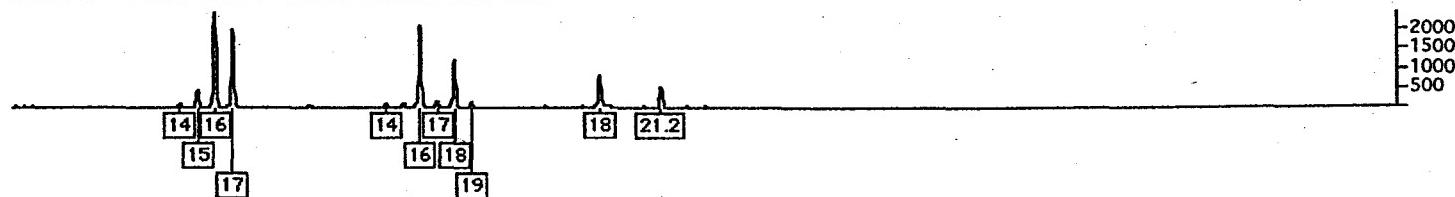
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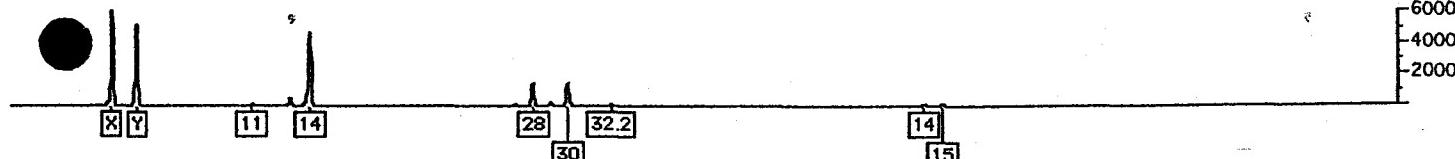
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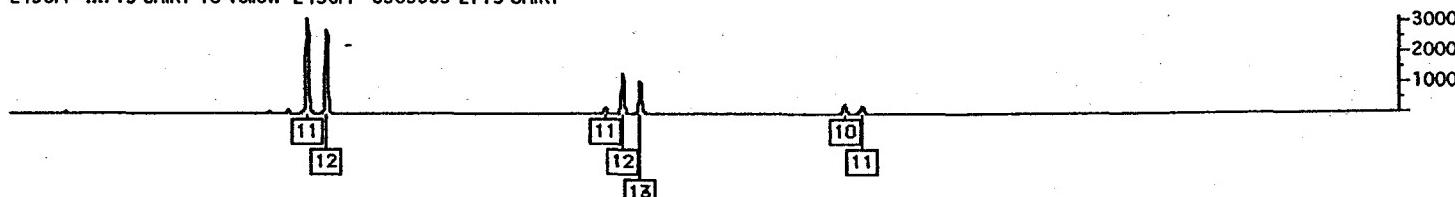
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2450PP ...7T5 SHIRT 18 Green 2450PP 0303339-27T5 SHIRT



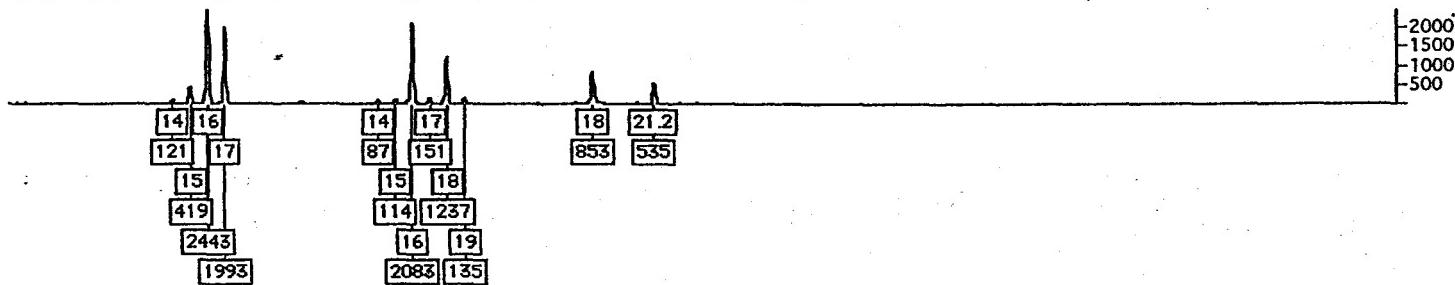
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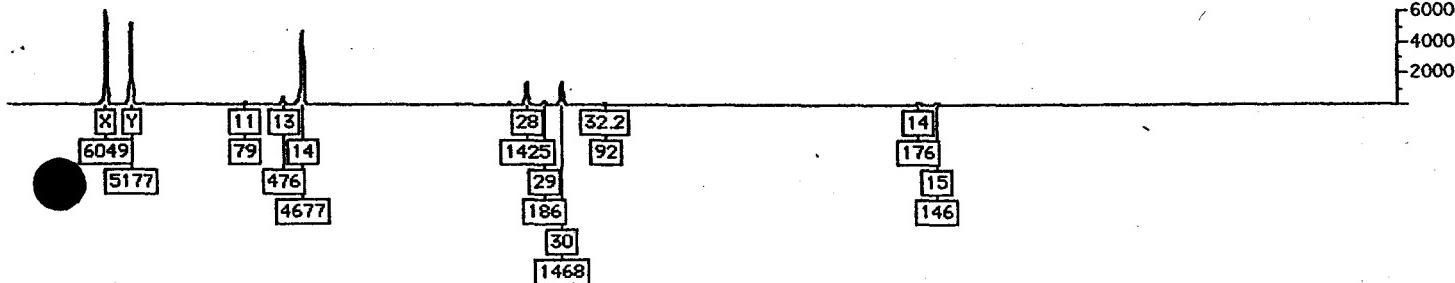
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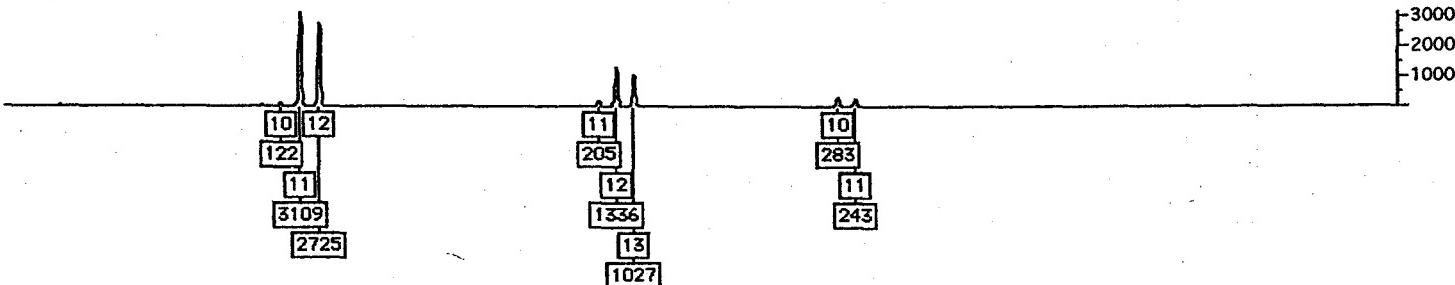
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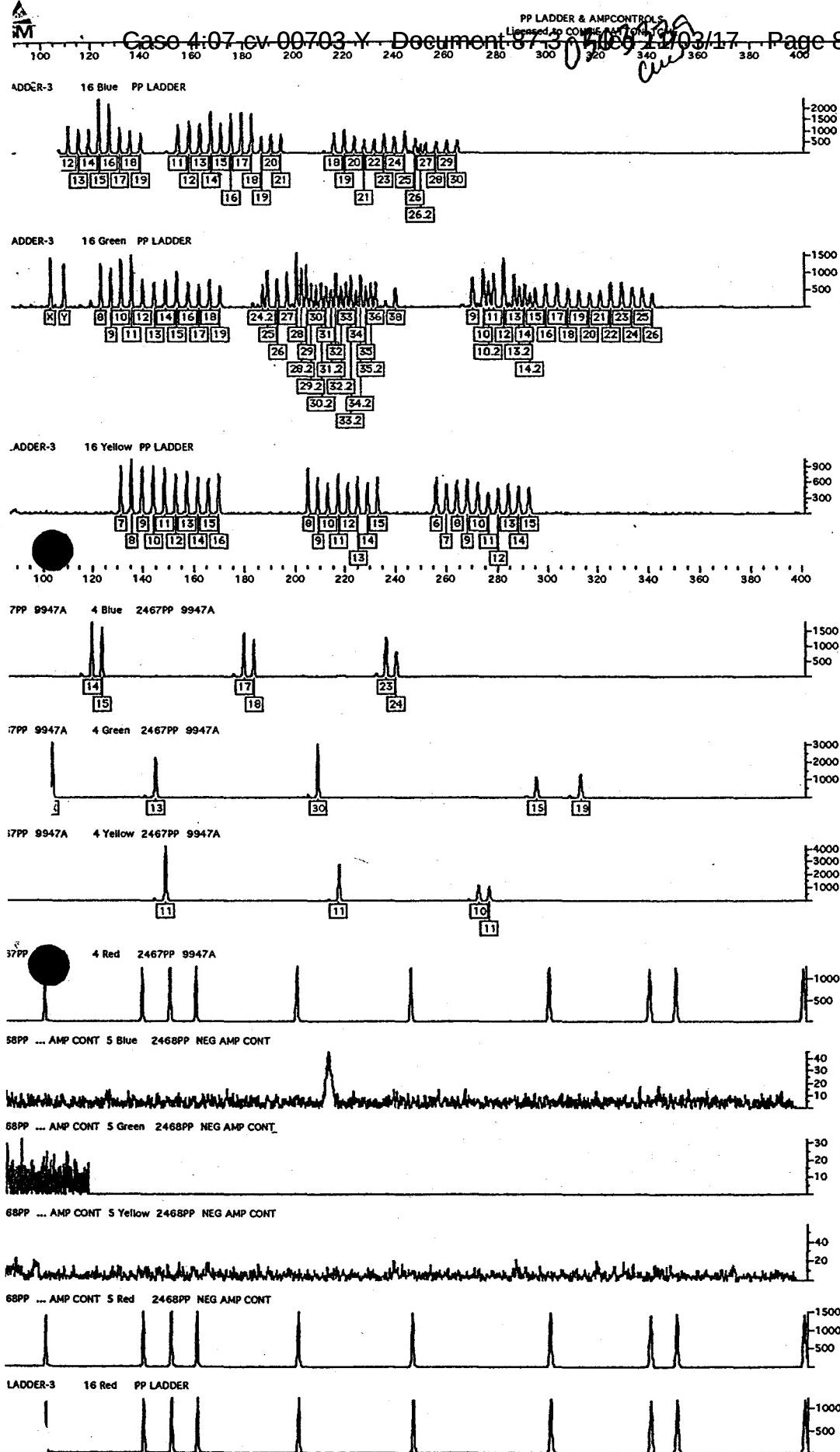


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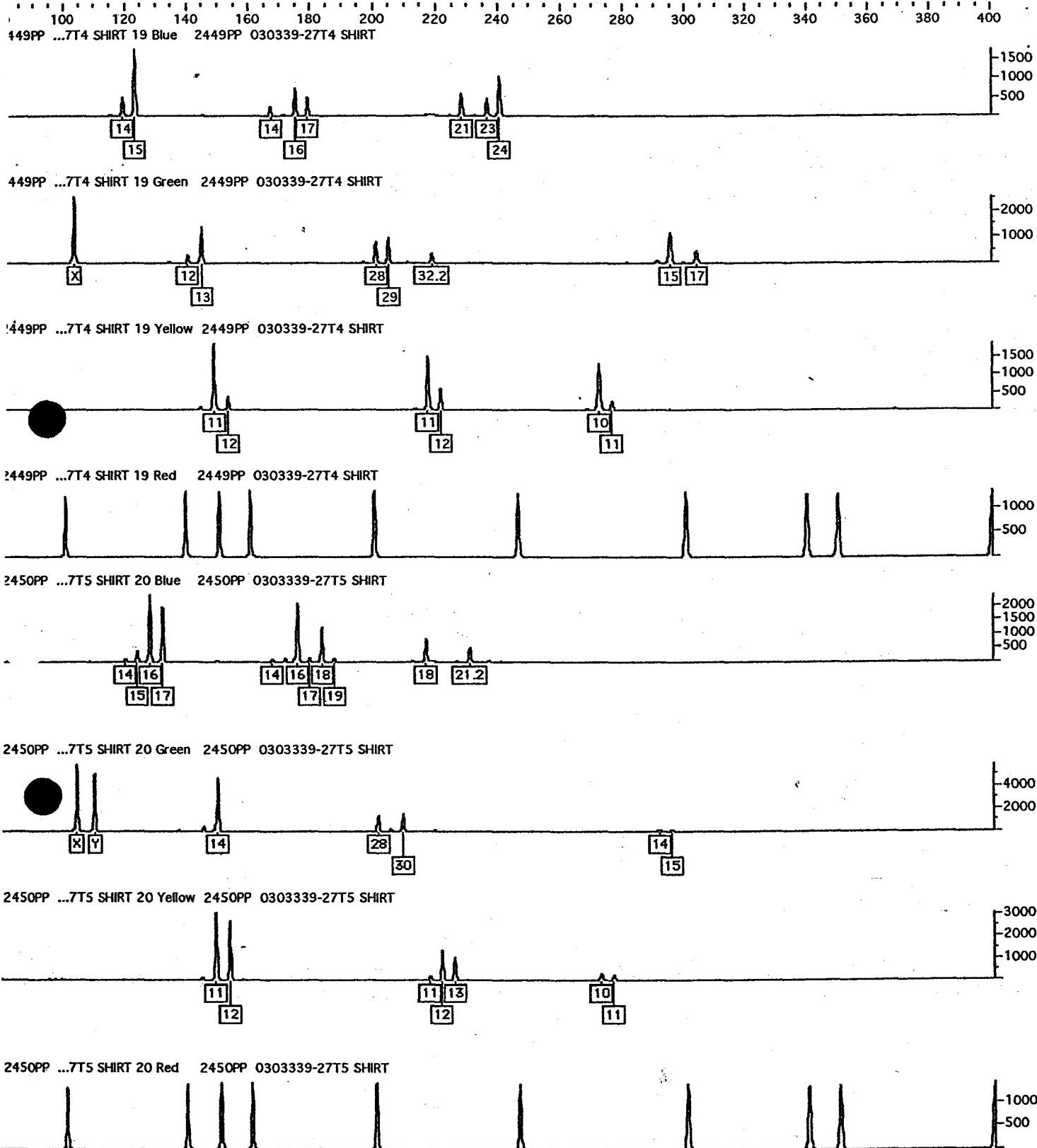


2450PP ...7T5 SHIRT 18 Yellow 2450PP 0303339-27T5 SHIRT

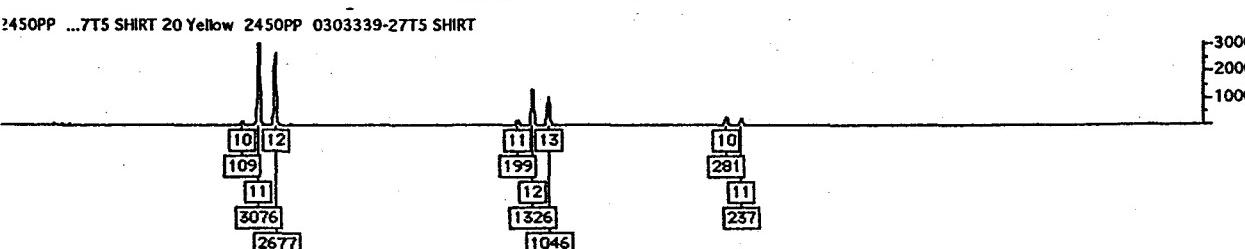
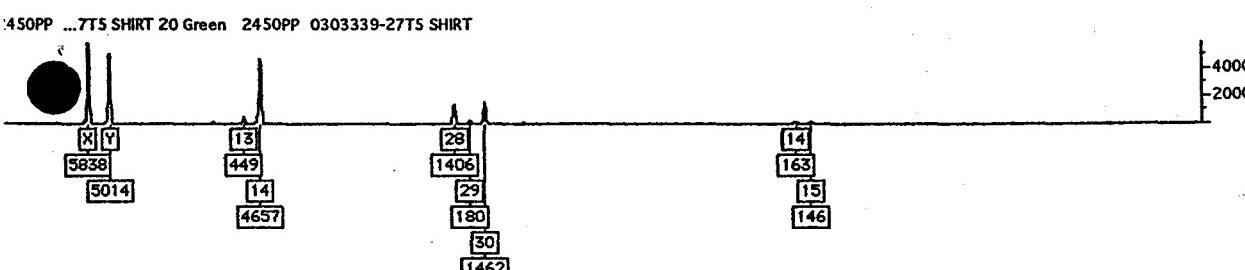
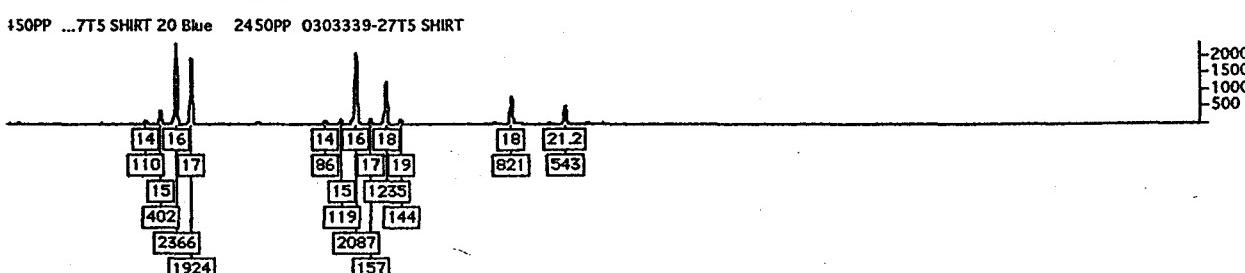
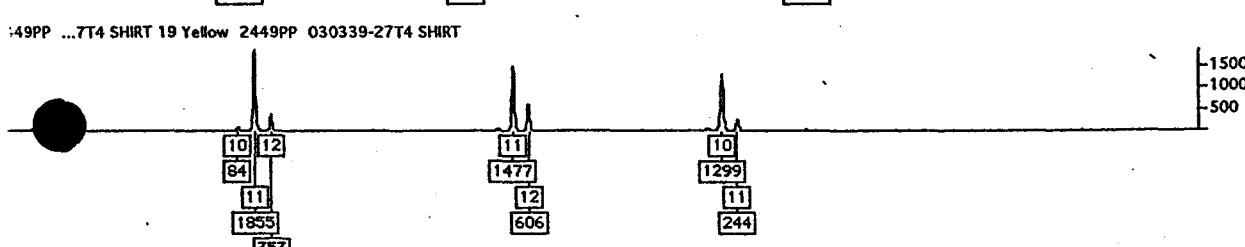
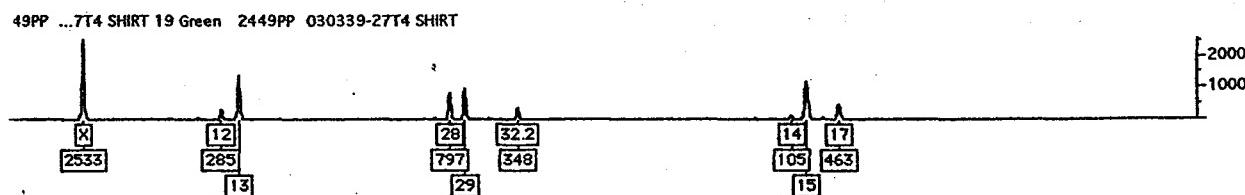
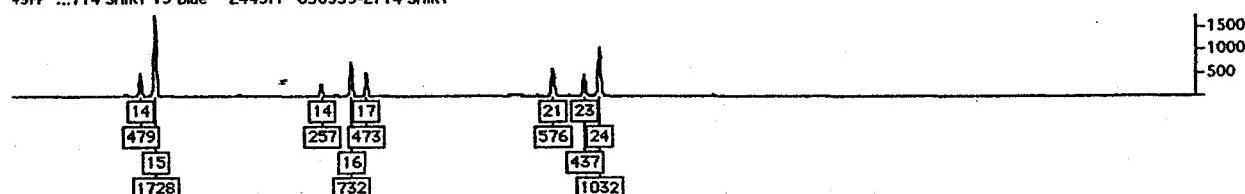


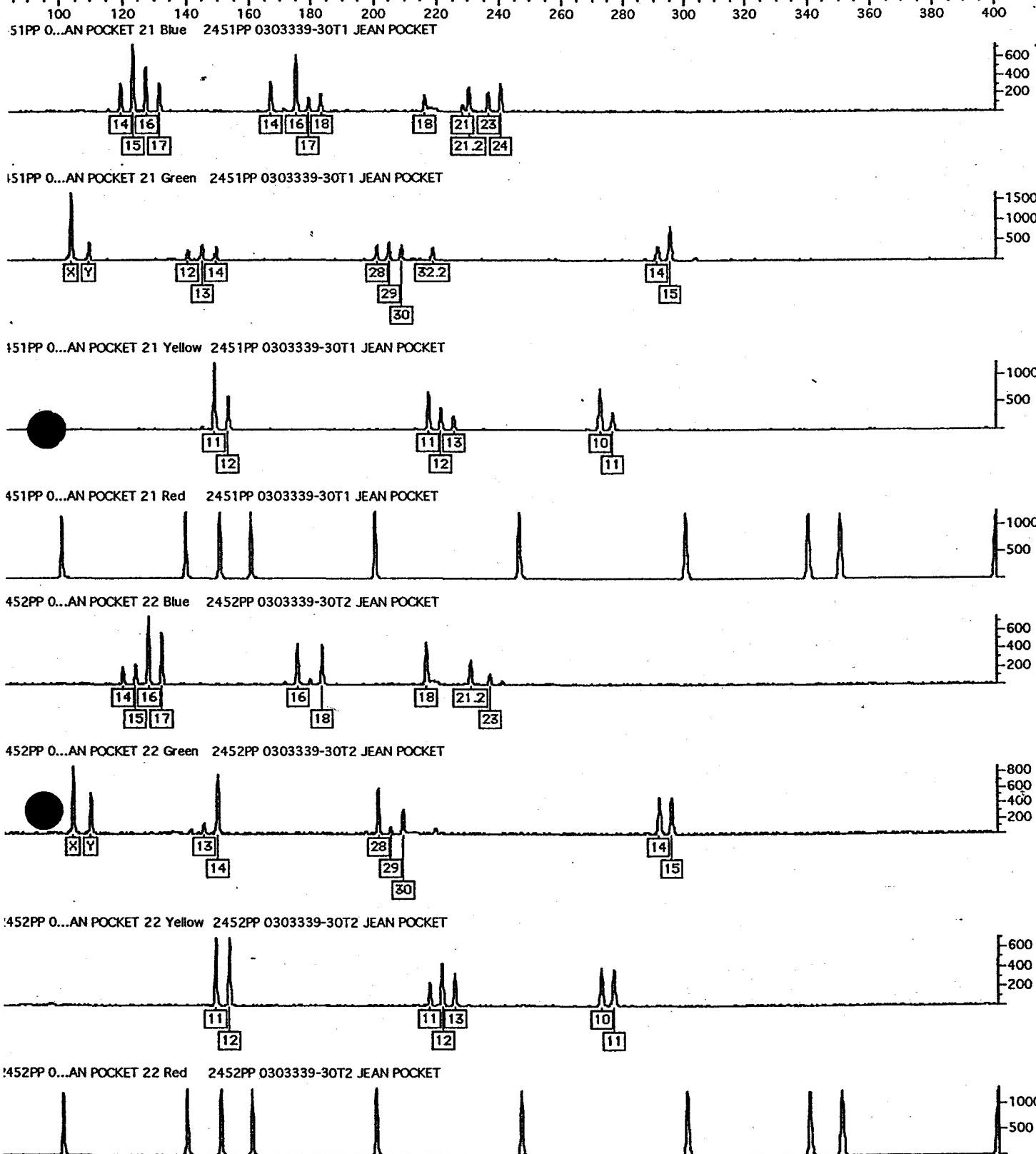


	Tube & Sample Name	Module	Inj. Secs	Inj. kV	Run kV	Run °C	Run Time	Matrix file	Auto Anlz
	H10 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
	A1 - 2469PP 0303340-19.1 T1 JEANS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
3	A3 - 2436PP 0303339-19.1 SHORTS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
4	A5 - 2437PP 0303339-19.2 T2 SHORTS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
5	A7 - 2438PP 0303339-19.2 T SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
6	A9 - 2439PP 0303339-22.7 DRAWER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
7	A11 - 2440PP 0303339-22.8 GARAGE	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
8	B2 - 2441PP 0303339-24.1 DISHWASHER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
9	B4 - 2442PP 0303339-25.8 STEER WHEEL	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
10	B6 - 2443PP 0303339-25.19 SEAT BELT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
11	H10 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
12	F10 - 2467PP 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
13	F12 - 2468PP NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
14	B8 - 2444PP 0303339-32 KNIFE BLADE	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
15	B10 - 2445PP 0303339-33 17A TILE	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
16	B12 - 2446PP 0303339-27T1 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
17	C1 - 2447PP 0303339-27T2 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
18	C3 - 2448PP 0303339-27T3 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
19	C5 - 2449PP 0303339-27T4 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
20	C7 - 2450PP 0303339-27T5 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
21	C9 - 2451PP 0303339-30T1 JEAN POCKET	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
22	C11 - 2452PP 0303339-30T2 JEAN POCKET	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
23	H10 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
24	D2 - 2453PP 0303339-30T3 JEANS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
25	D4 - 2454PP 0303339-30T4 JEANS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
26	D6 - 2455PP 0303339-30T6 JEANS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
-d	F10 - 2467PP 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
29	D8 - 2456PP -3-3339-20 PAT SYREN	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
30	D10 - 2457PP 0303339-21 B CRUTSINGER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
31	D12 - 2430PP ORG Q EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
32	E1 - 2431PP CLX EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
33	E3 - 2432PP K EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
35	E5 - 2459PP 0305330-1.1 EC VAG	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
36	H10 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
37	E7 - 2460PP 0305330-1.1 SP VAG	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
38	E9 - 2461PP 0305330-1.4 A FREEMAN	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
39	E11 - 2462PP 0305330-8 J SIMS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
40	F2 - 2463PP 0305136-7 EC SHORTS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
41	F4 - 2464PP 0305136-7 SP SHORTS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
42	F6 - 2465PP 0305136-8.9 E BAXLEY	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
43	F8 - 2466PP 0305136-9 A TIGNOR	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
44	F10 - 2467PP 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
45	F12 - 2468PP NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
46	H4 - 2479PP EC1 EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
47	H8 - 2481PP SP EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off



0303339 PP
Licensed to CONNELL PTN 7/15
49PP ...7T4 SHIRT 19 Blue 2449PP 0303339-27T4 SHIRT



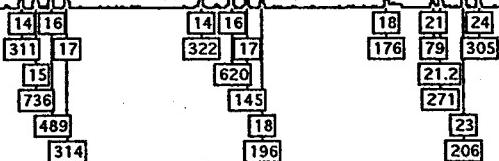


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1PP 0...AN POCKET 21 Blue 2451PP 0303339-30T1 JEAN POCKET

0303339 PP

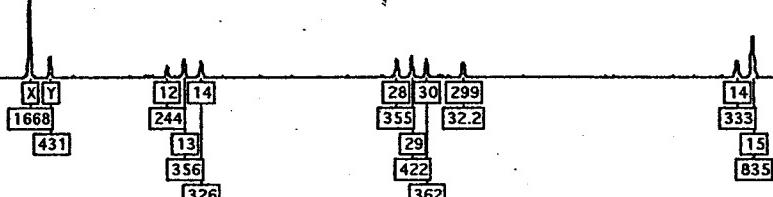
Labeled by GENOTYPER™

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400
200



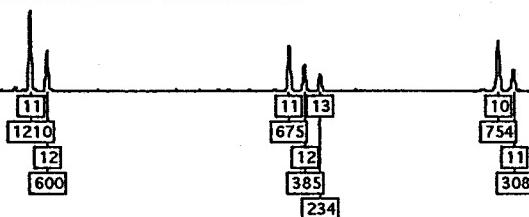
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1000
500



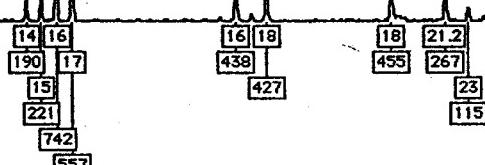
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500



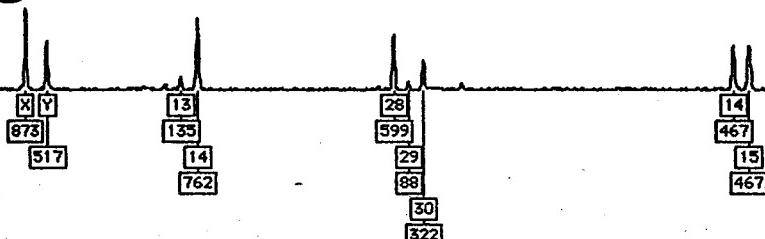
52PP 0...AN POCKET 22 Blue 2452PP 0303339-30T2 JEAN POCKET

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400
200



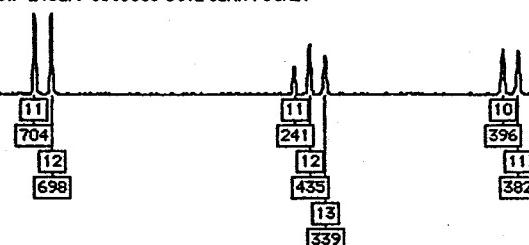
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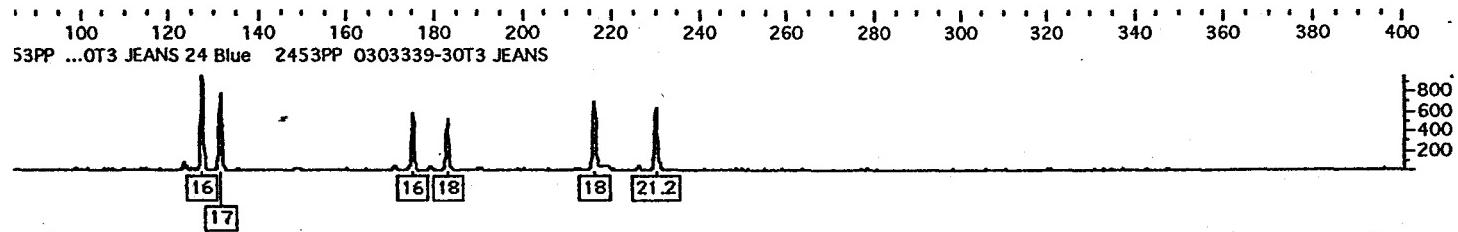
800
600
400
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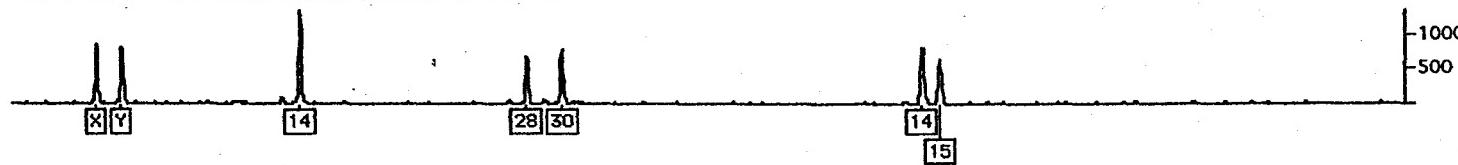
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600
400
200

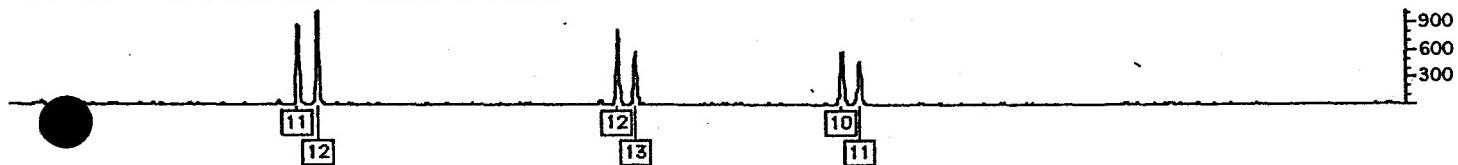




53PP ...OT3 JEANS 24 Green 2453PP 0303339-30T3 JEANS



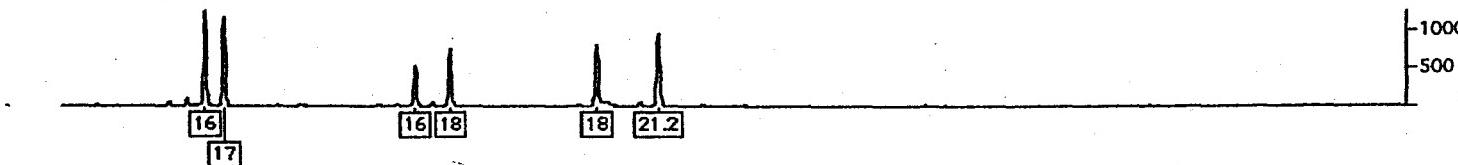
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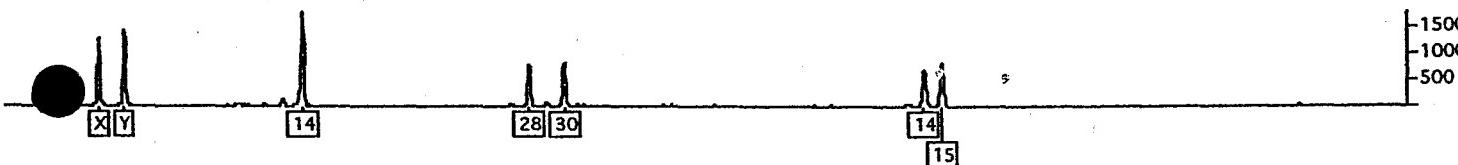
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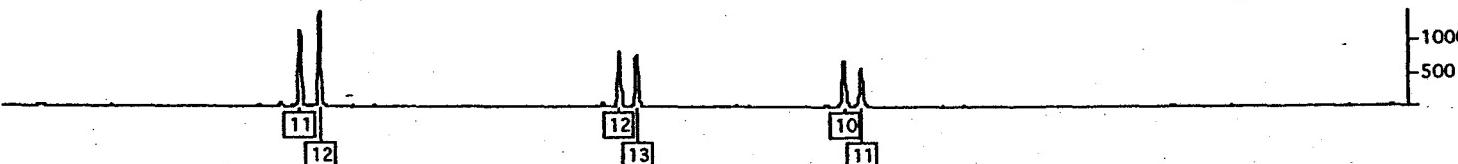
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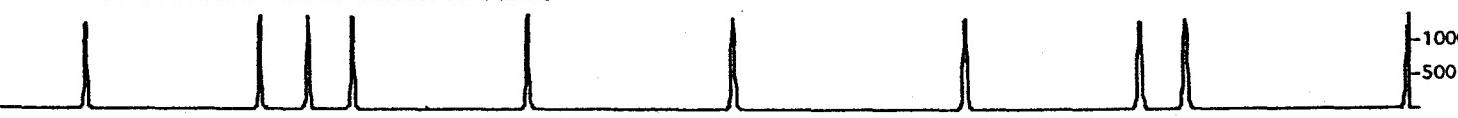
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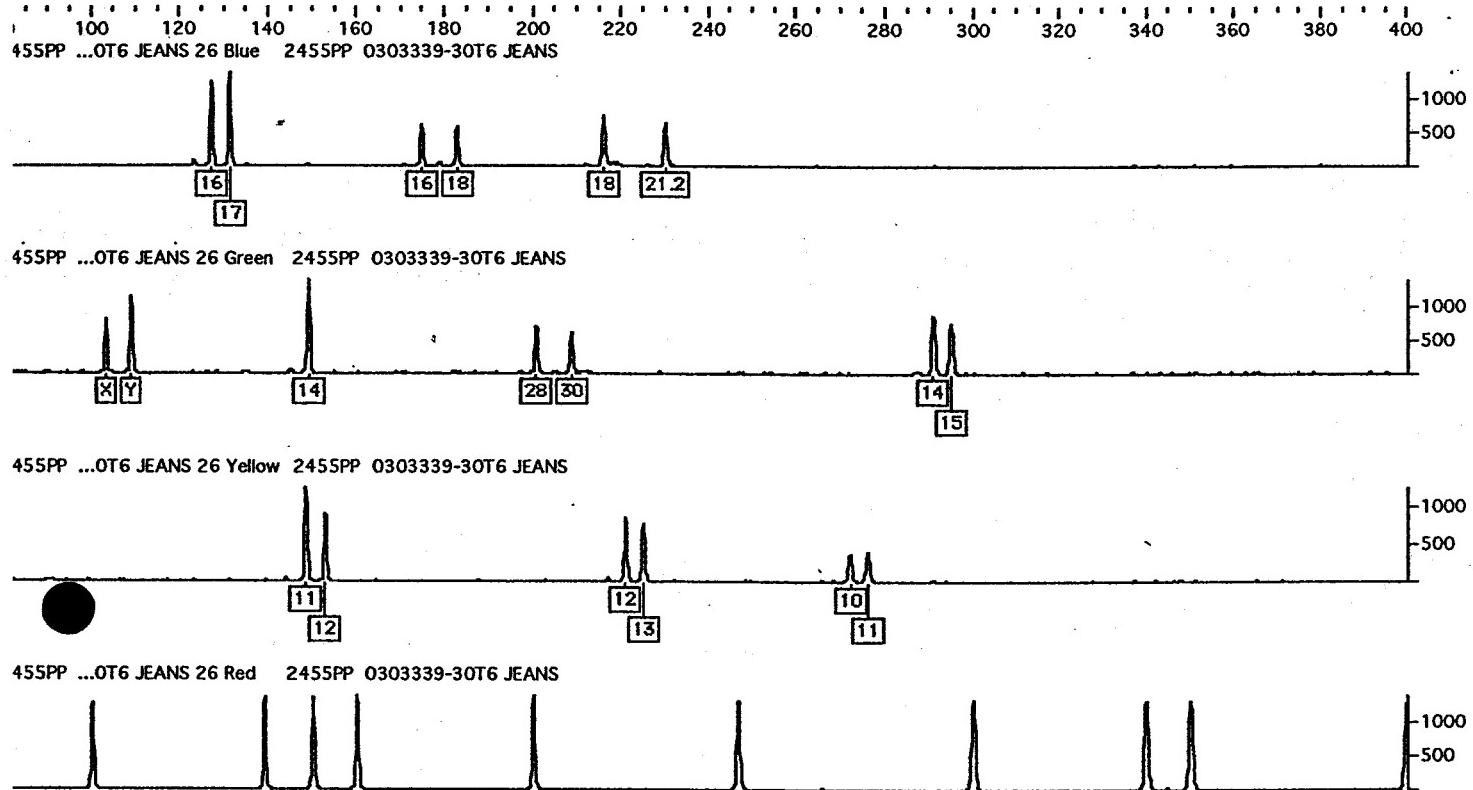


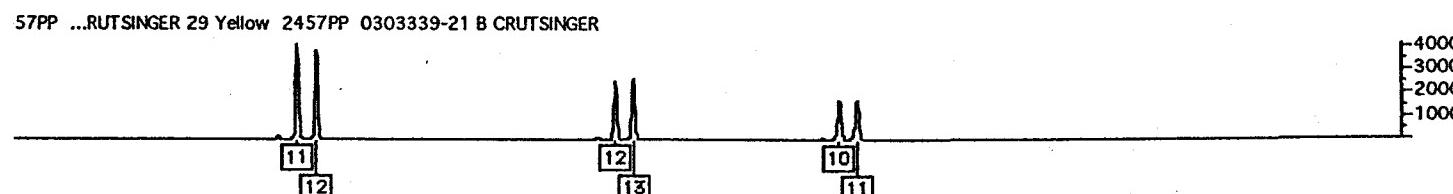
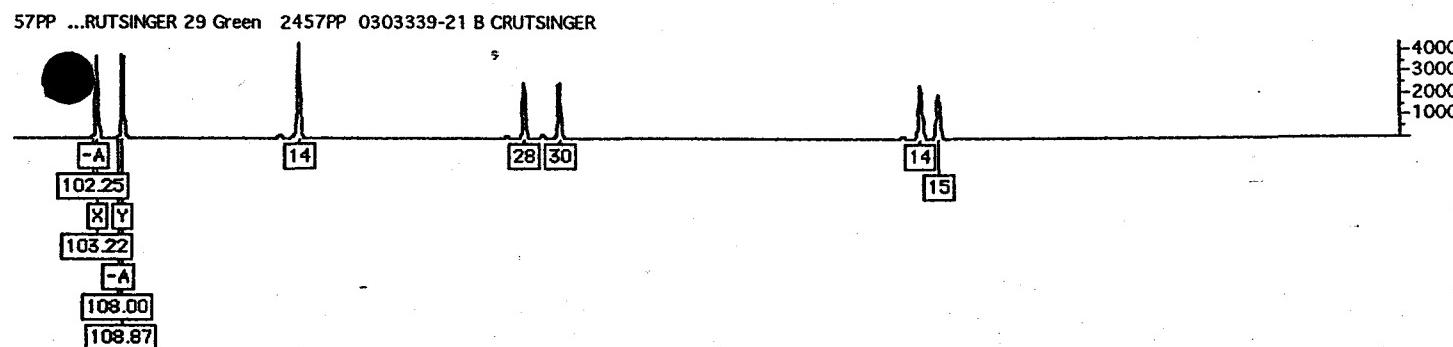
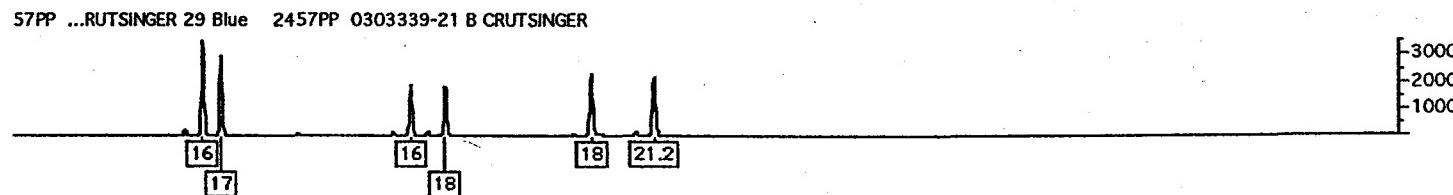
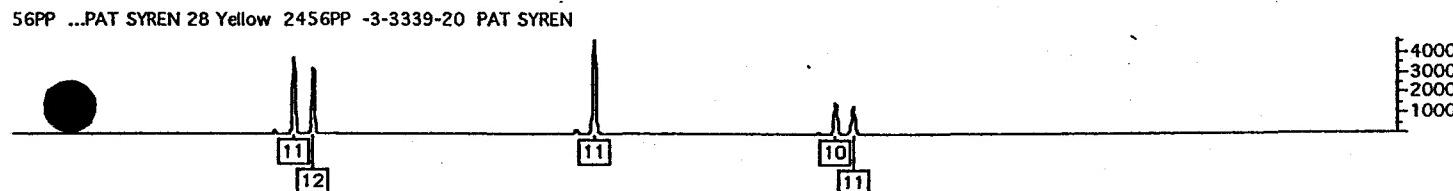
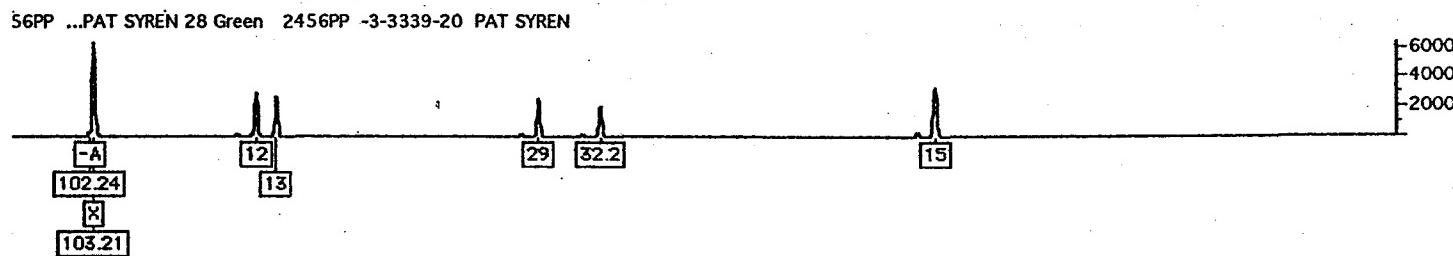
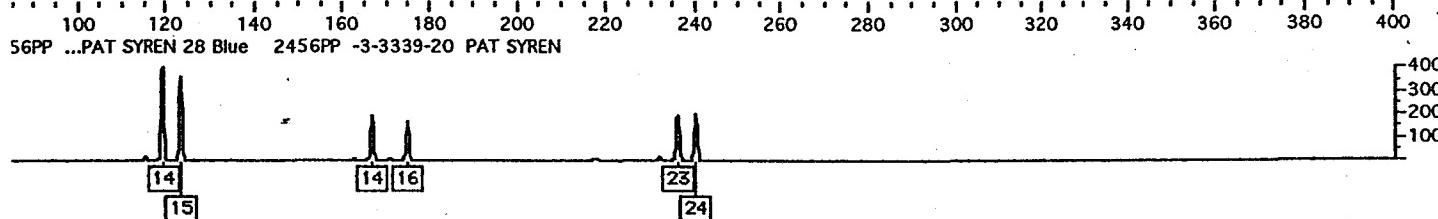
454PP ...OT4 JEANS 25 Yellow 2454PP 0303339-3OT4 JEANS



454PP ...OT4 JEANS 25 Red 2454PP 0303339-30T4 JEANS







0303339 PP

Licensed to CONGENATION, INC.

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130PP ... EXT CONT 30 Blue 2430PP ORG Q EXT CONT

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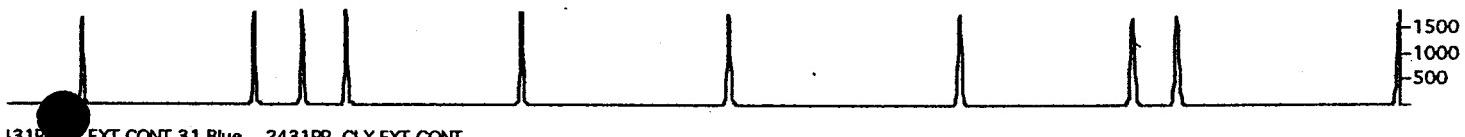
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130PP ... EXT CONT 30 Red 2430PP ORG Q EXT CONT



131PP ... EXT CONT 31 Blue 2431PP CLX EXT CONT

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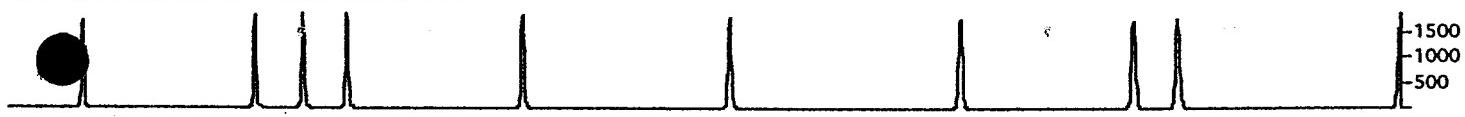
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131PP ... EXT CONT 31 Red 2431PP CLX EXT CONT



132PP K EXT CONT 32 Blue 2432PP K EXT CONT

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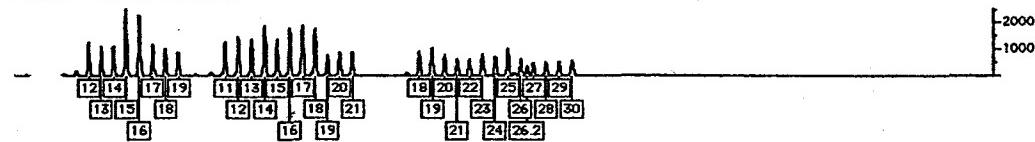


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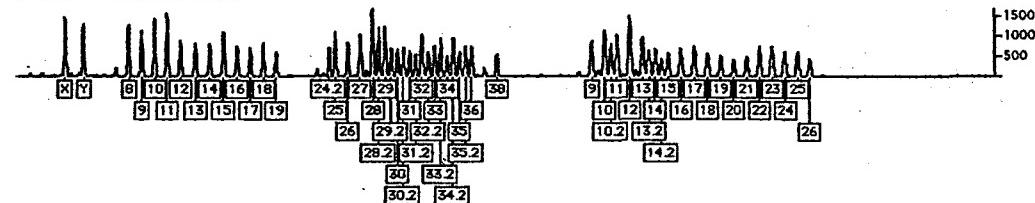
0303339 PP LADDER & AMP CONTROLS
Licensed to GENE MAPTON 200311:05:36 AM Fri, Jul 18, 2003
Genotyper® 2.5

Case 4:07-cv-00703-Y Document 87-3 Filed 07/10/03 Page 99 of 196 PageID 5045

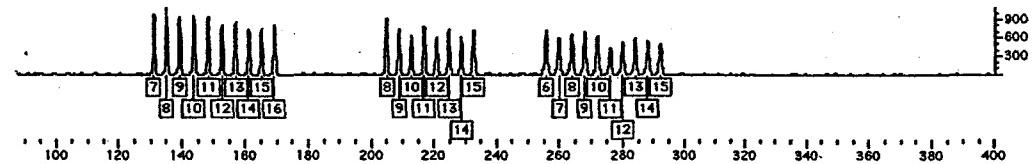
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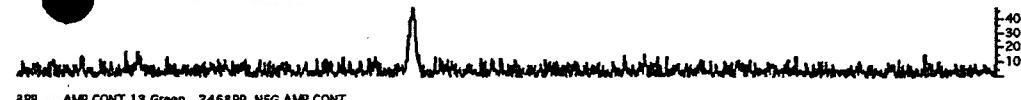
.ADDER-3 23 Green PP LADDER



LADDER-3 23 Yellow PP LADDER



8PP ... CONT 13 Blue 2468PP NEG AMP CONT



8PP ... AMP CONT 13 Green 2468PP NEG AMP CONT



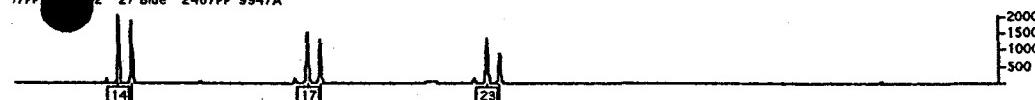
8PP ... AMP CONT 13 Yellow 2468PP NEG AMP CONT



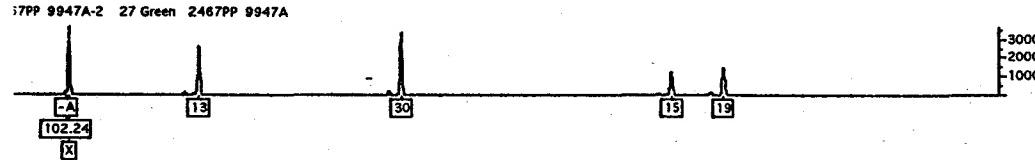
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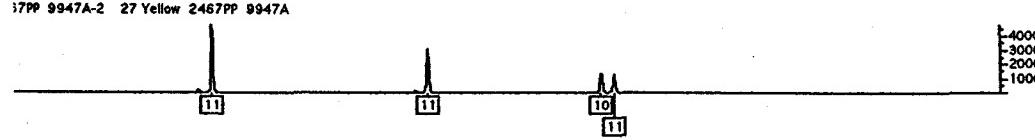
17PP 2 27 Blue 2467PP 9947A



17PP 9947A-2 27 Green 2467PP 9947A



17PP 9947A-2 27 Yellow 2467PP 9947A



17PP 9947A-2 27 Red 2467PP 9947A

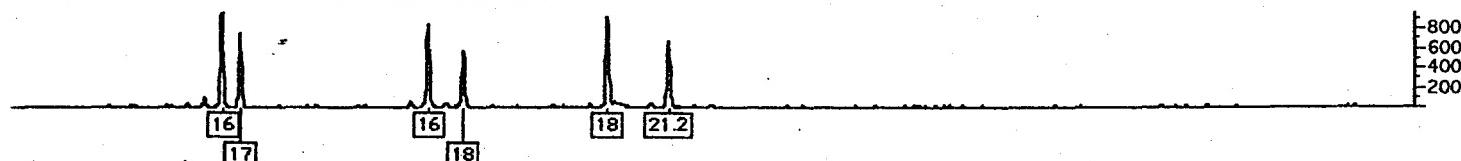




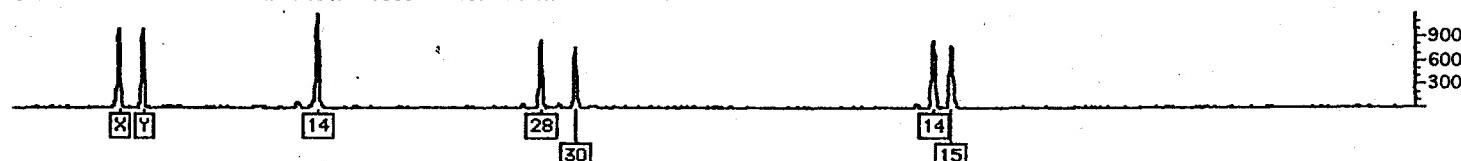
Tube & Sample Name	Module	Inj. Secs	Inj. kV	Run kV	Run C	Run Time	Matrix file	Auto Anlz
- PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
2469PP 0303340-19.1 T1 JEANS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
A3 - 2436PP 0303339-19.1 SHORTS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
A5 - 2437PP 0303339-19.2 T2 SHORTS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
A7 - 2438PP 0303339-19.2 T SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
A9 - 2439PP 0303339-22.7 DRAWER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
A11 - 2440PP 0303339-22.8 GARAGE	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B2 - 2441PP 0303339-24.1 DISHWASHER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B4 - 2442PP 0303339-25.8 STEER WHEEL	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B6 - 2443PP 0303339-25.19 SEAT BELT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
H10 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F10 - 2467PP 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F12 - 2468PP NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B8 - 2444PP 0303339-32 KNIFE BLADE	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B10 - 2445PP 0303339-33 17A TILE	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B12 - 2446PP 0303339-27T1 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
C1 - 2447PP 0303339-27T2 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
C3 - 2448PP 0303339-27T3 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
C5 - 2449PP 0303339-27T4 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
C7 - 2450PP 0303339-27T5 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
C9 - 2451PP 0303339-30T1 JEAN POCKET	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
C11 - 2452PP 0303339-30T2 JEAN POCKET	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
H10 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
D2 - 2453PP 0303339-30T3 JEANS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
D4 - 2454PP 0303339-30T4 JEANS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
D6 - 2455PP 0303339-30T6 JEANS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
- 2467PP 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
2456PP -3-3339-20 PAT SYREN	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
D10 - 2457PP 0303339-21 B CRUTSINGER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
D12 - 2430PP ORG Q EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
E1 - 2431PP CLX EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
E3 - 2432PP K EXT. CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
E5 - 2459PP 0305330-1.1 EC VAG	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
H1 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
E7 - 2460PP 0305330-1.1 SP VAG	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
E9 - 2461PP 0305330-1.4 A FREEMAN	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
E11 - 2462PP 0305330-8 J SIMS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F2 - 2463PP 0305136-7 EC SHORTS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F4 - 2464PP 0305136-7 SP SHORTS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F6 - 2465PP 0305136-8.9 E BAXLEY	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F8 - 2466PP 0305136-9 A TIGNOR	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F10 - 2467PP 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F12 - 2468PP NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
H10 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
H4 - 2479PP EC1 EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
H8 - 2481PP SP EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off

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2436PP1 SHORTS 3 Blue 2436PP 0303339-19.1 SHORTS



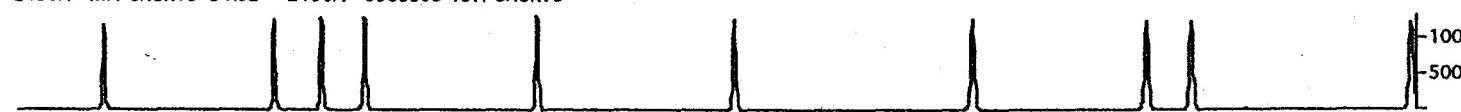
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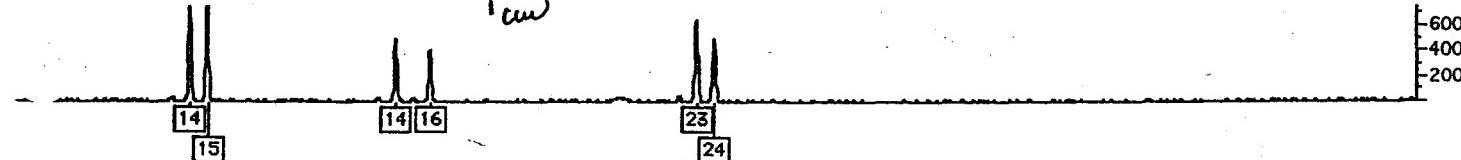
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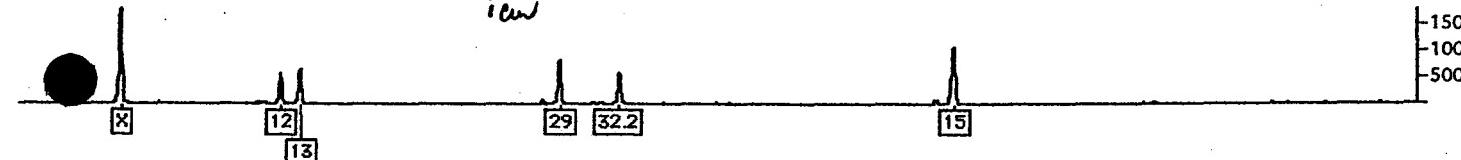
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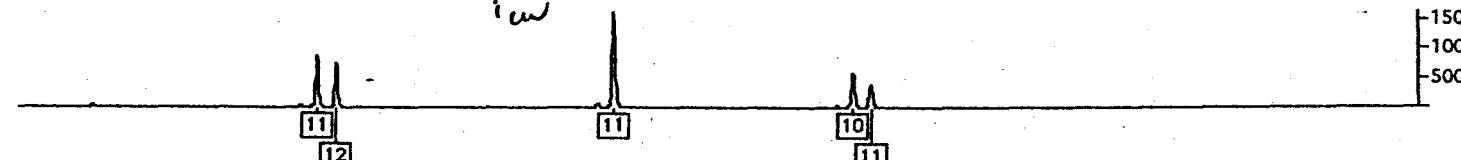
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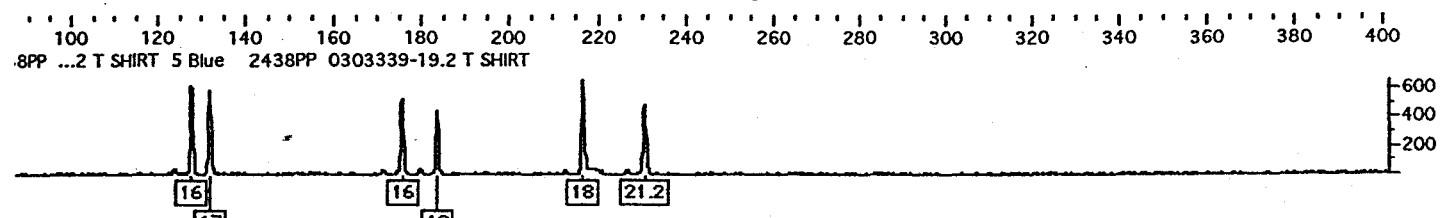


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2437PP ...T2 SHORTS 4 Red 2437PP 0303339-19.1 T2 SHORTS





8PP ...2 T SHIRT '5 Green 2438PP 0303339-19.2 T SHIRT



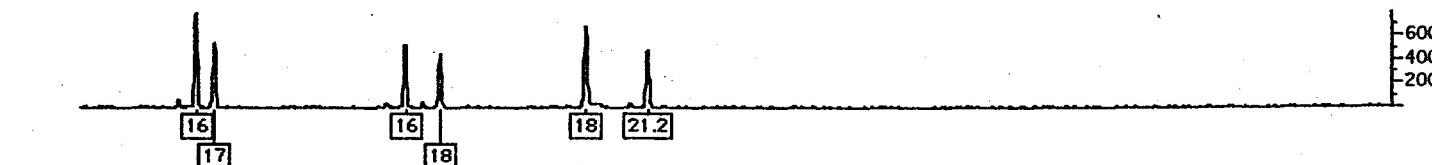
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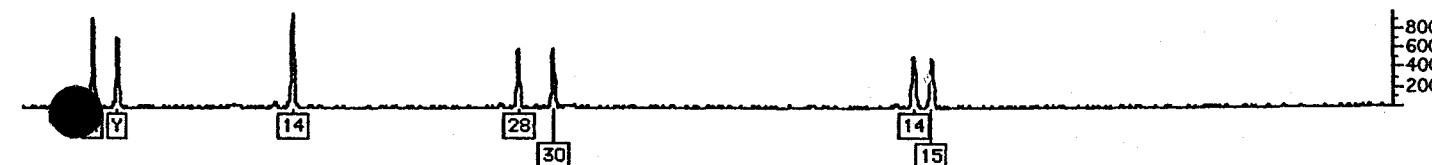
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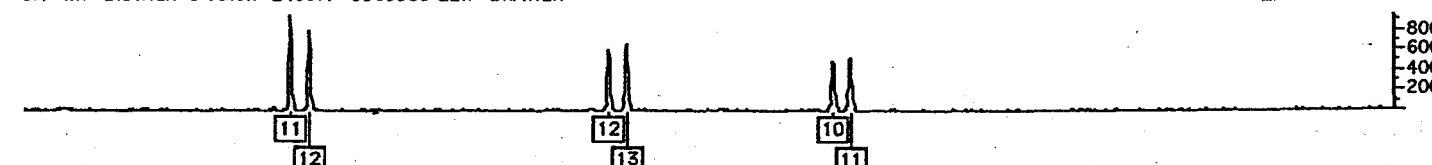
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9PP ...7 DRAWER 6 Green 2439PP 0303339-22.7 DRAWER

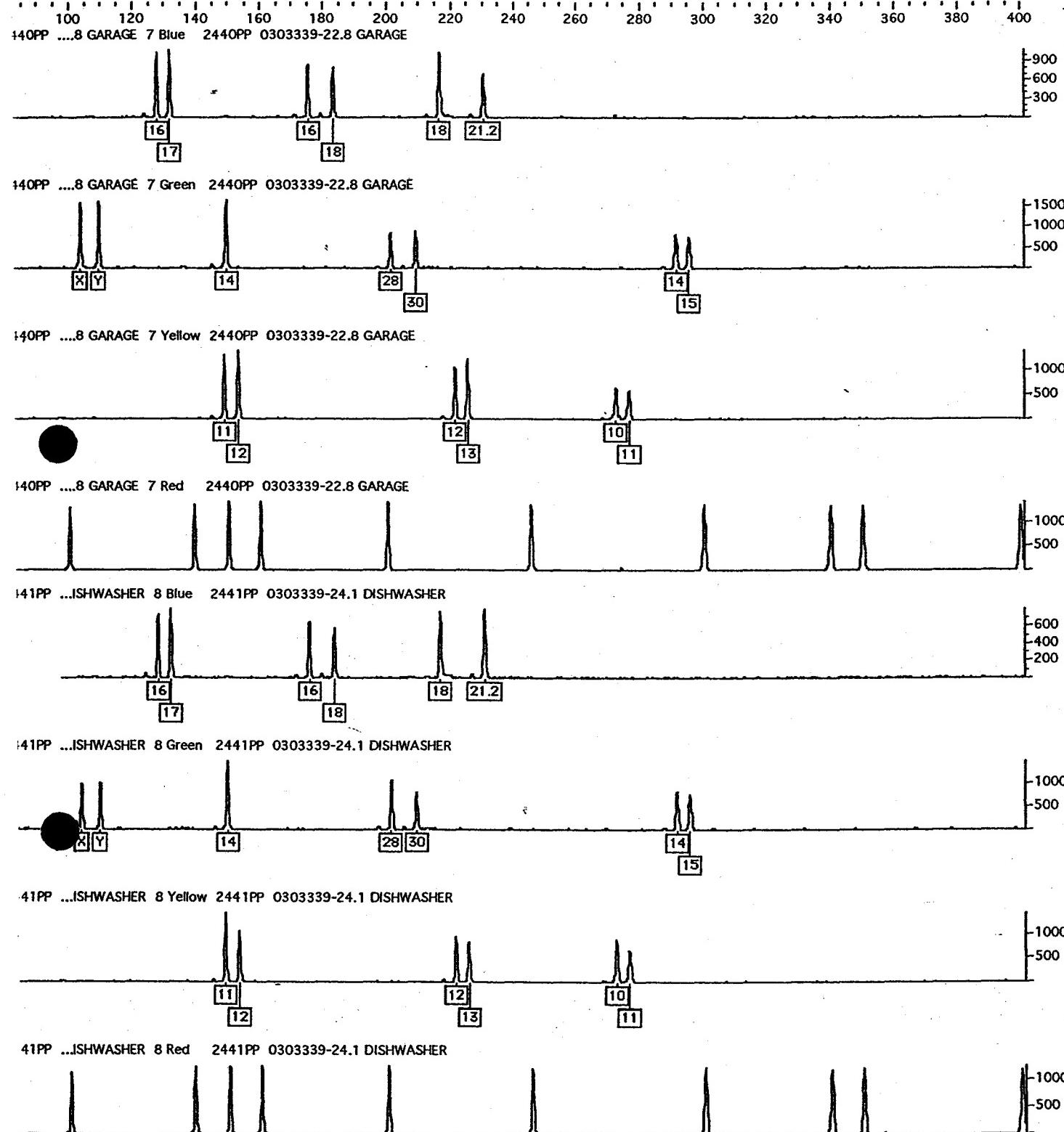


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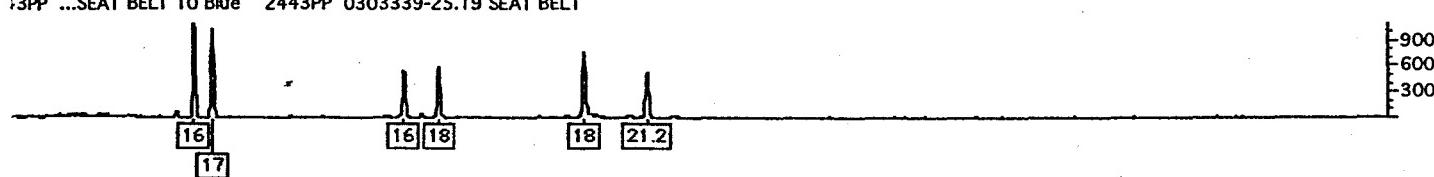


9PP ...7 DRAWER 6 Red 2439PP 0303339-22.7 DRAWER

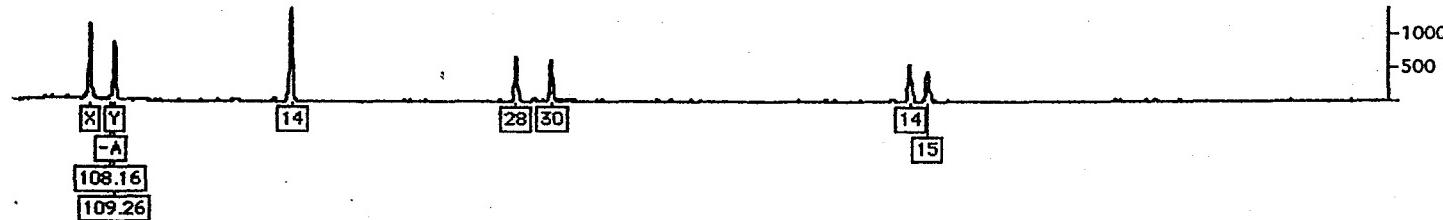




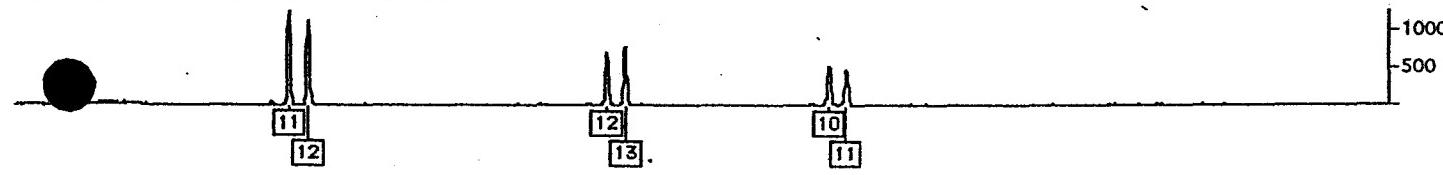
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13PP ...SEAT BELT 10 Green 2443PP 0303339-25.19 SEAT BELT



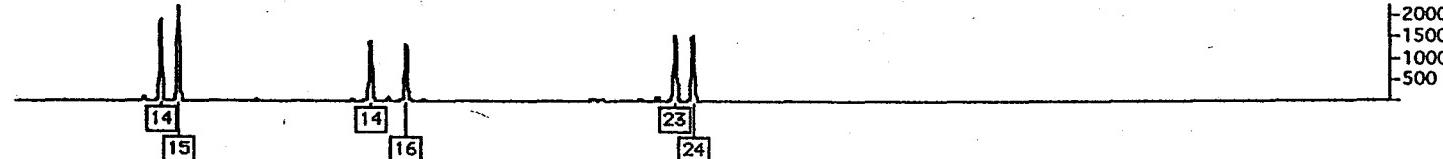
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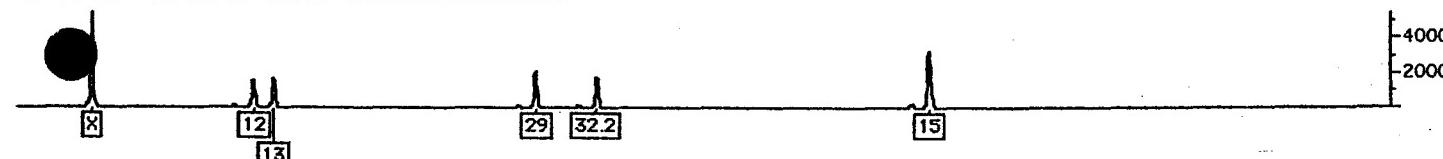
13PP ...SEAT BELT 10 Red 2443PP 0303339-25.19 SEAT BELT



14PP ...IFE BLADE 14 Blue 2444PP 0303339-32 KNIFE BLADE



14PP ...IFE BLADE 14 Green 2444PP 0303339-32 KNIFE BLADE

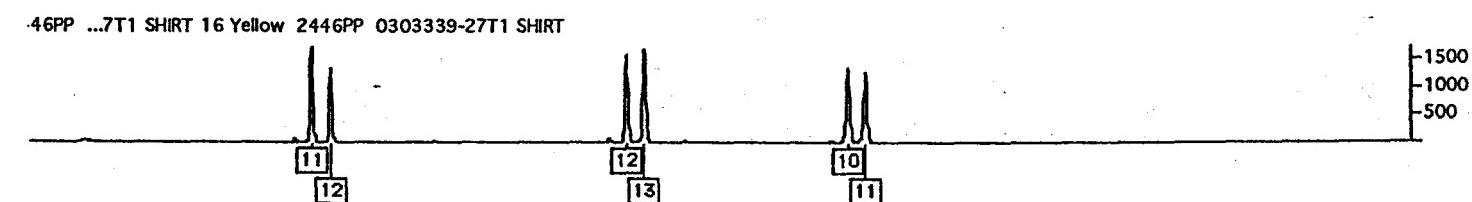
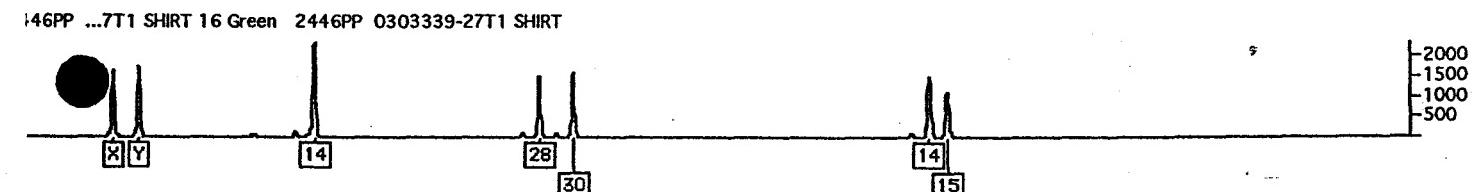
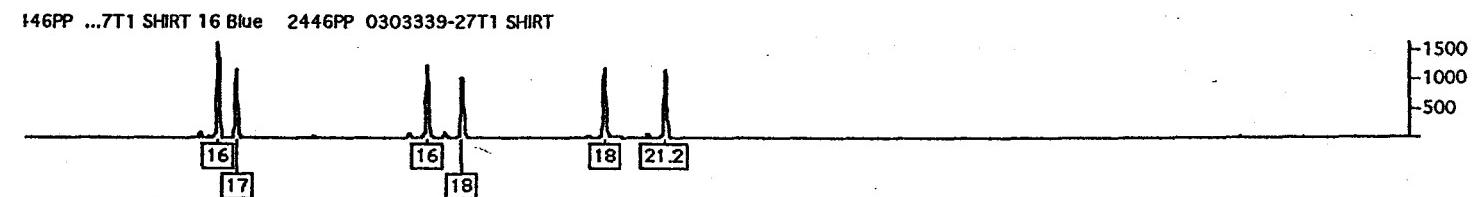
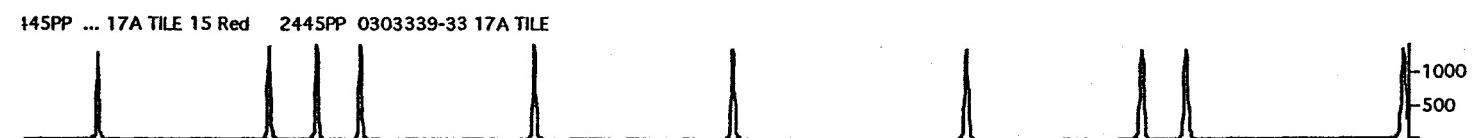
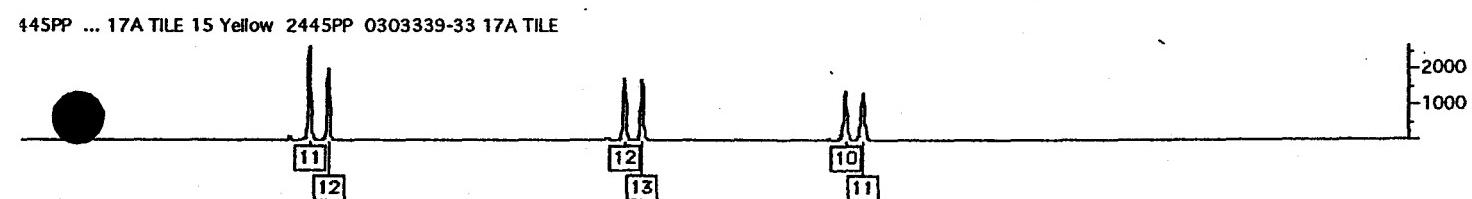
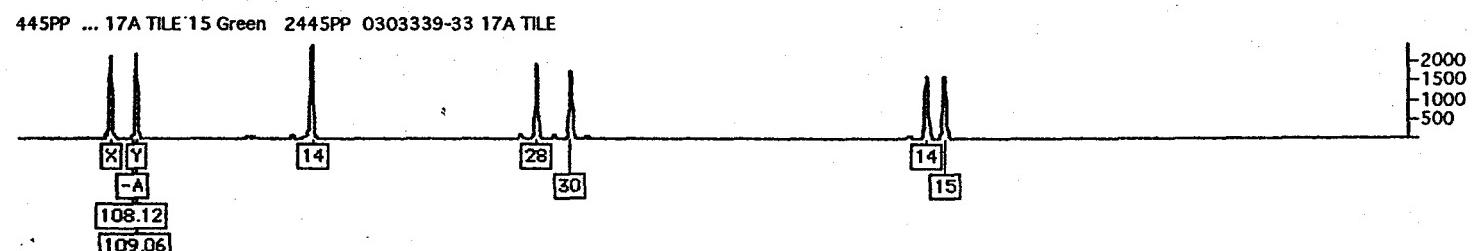
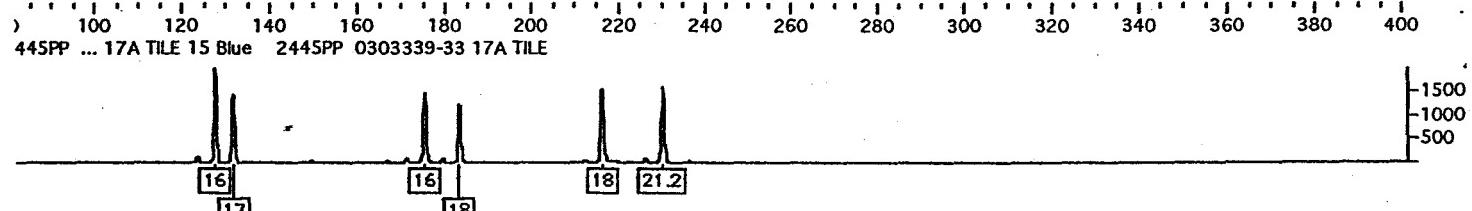


14PP ...IFE BLADE 14 Yellow 2444PP 0303339-32 KNIFE BLADE

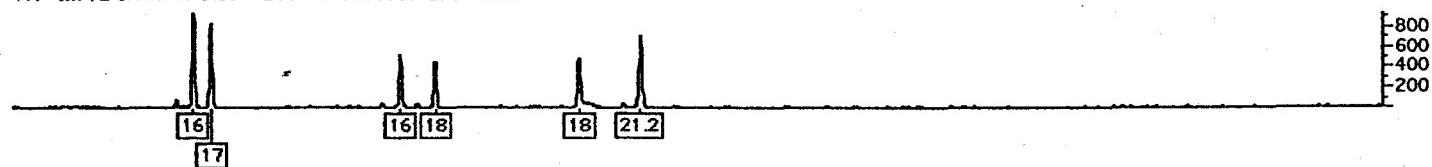


14PP ...IFE BLADE 14 Red 2444PP 0303339-32 KNIFE BLADE





7PP ...7T2 SHIRT 17 Blue 2447PP 0303339-27T2 SHIRT



7PP ...7T2 SHIRT 17 Green 2447PP 0303339-27T2 SHIRT



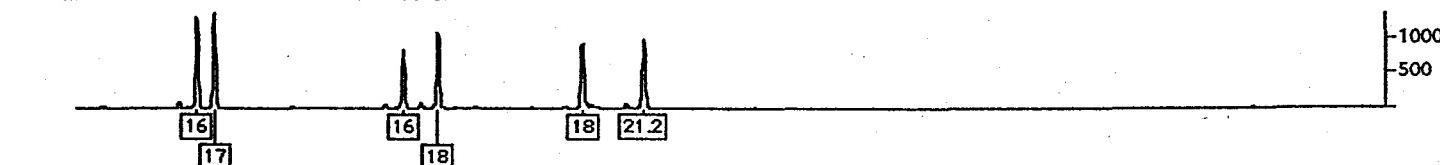
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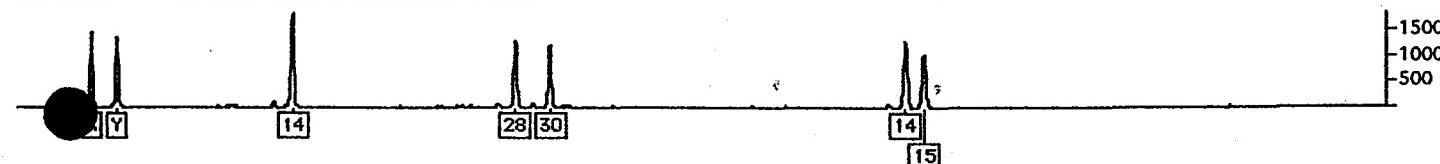
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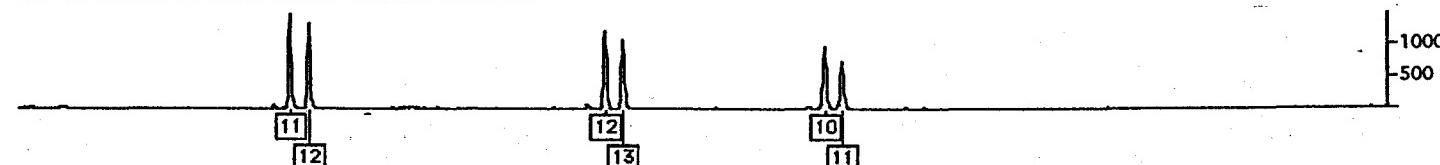
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8PP ...7T3 SHIRT 18 Green 2448PP 0303339-27T3 SHIRT



8PP ...7T3 SHIRT 18 Yellow 2448PP 0303339-27T3 SHIRT

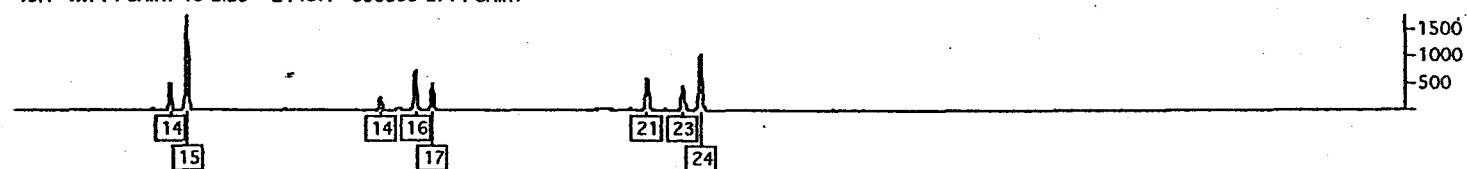


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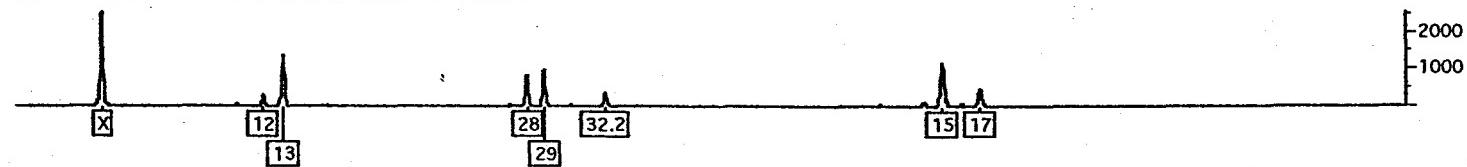


0303339 PP

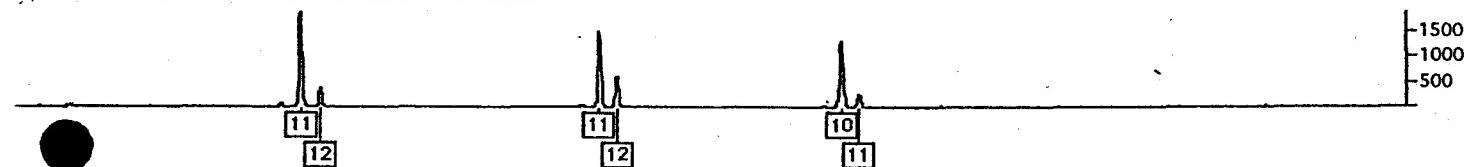
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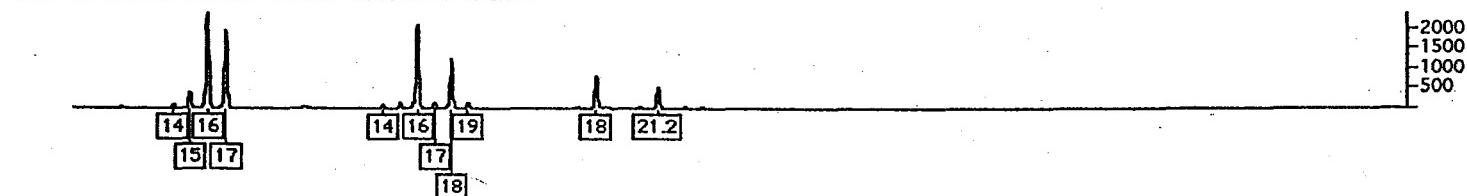
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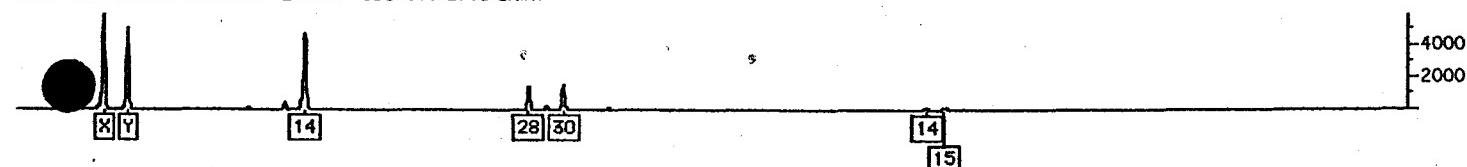
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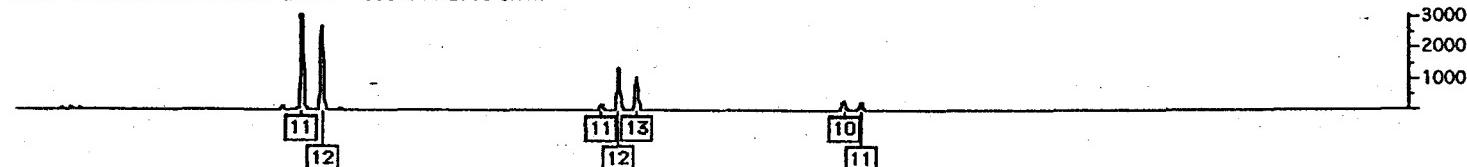
50PP ...7T5 SHIRT 20 Blue 2450PP 0303339-27T5 SHIRT



50PP ...7T5 SHIRT 20 Green 2450PP 0303339-27T5 SHIRT



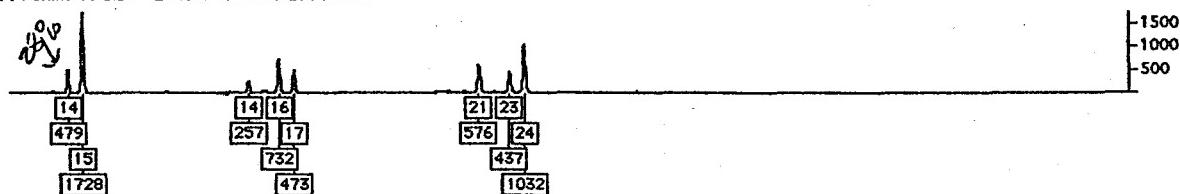
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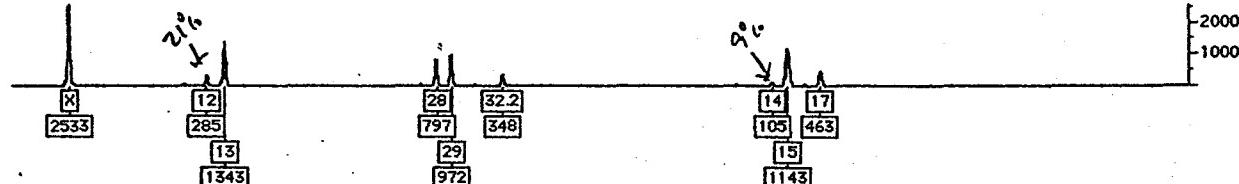
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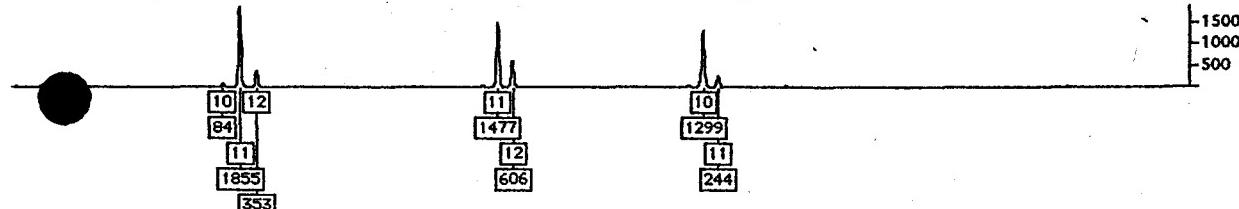
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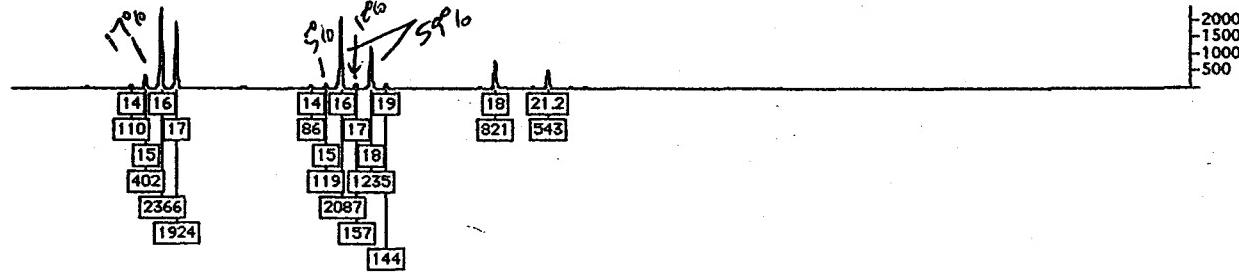
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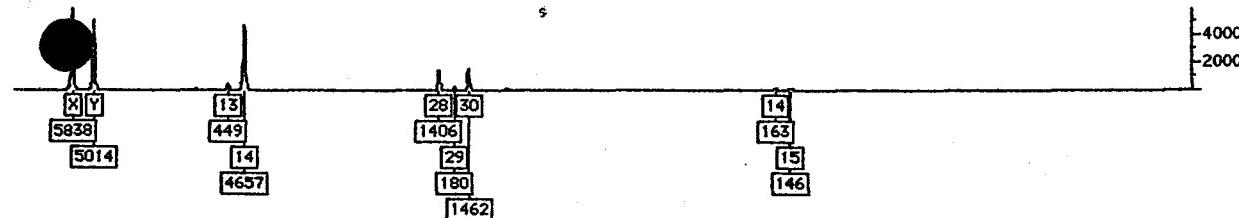
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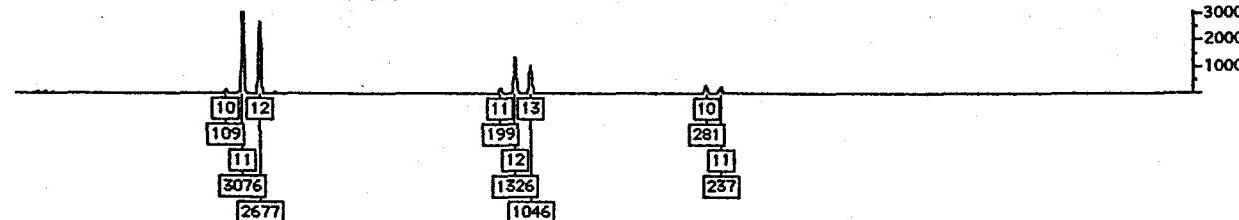
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DPP ...7T5 SHIRT 20 Green 2450PP 0303339-27T5 SHIRT



DPP ...7T5 SHIRT 20 Yellow 2450PP 0303339-27T5 SHIRT





EXT CONTROLS
Labeled to CONN/PP/CLX/EXT CONT
100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400
PP ... EXT CONT 30 Blue 2430PP ORG Q EXT CONT

No Size Data

PP ... EXT CONT 30 Green 2430PP ORG Q EXT CONT

No Size Data

PP ... EXT CONT 30 Yellow 2430PP ORG Q EXT CONT

No Size Data

PP ... EXT CONT 30 Red 2430PP ORG Q EXT CONT



PP ... EXT CONT 31 Blue 2431PP CLX EXT CONT

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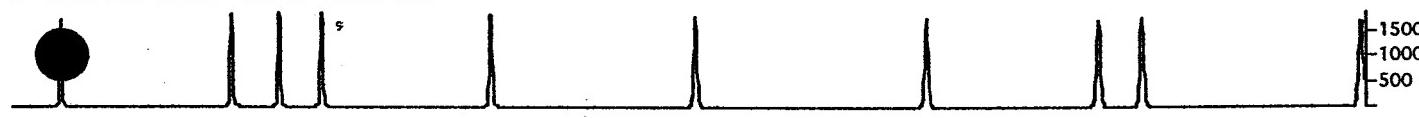
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No Size Data

EXT CONT 31 Yellow 2431PP CLX EXT CONT

No Size Data

PP ... EXT CONT 31 Red 2431PP CLX EXT CONT



PP ... EXT CONT 32 Blue 2432PP K EXT CONT

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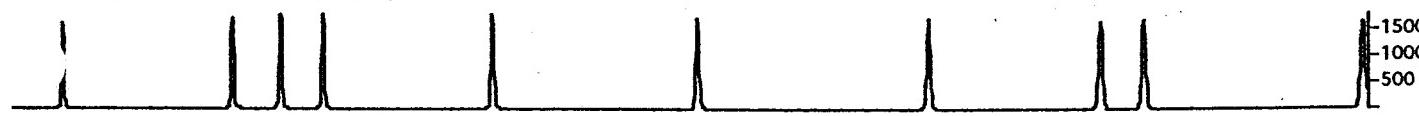
PP ... EXT CONT 32 Green 2432PP K EXT CONT

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PP ... EXT CONT 32 Yellow 2432PP K EXT CONT

No Size Data

PP ... EXT CONT 32 Red 2432PP K EXT CONT



STR TYPING RESULTS

Crime Lab #s:

0303339

Analyst:

CWW

Date:

18 July 03

Profiler Plus Alleles Detected:

Sample Information	D3S1358	vWA	FGA	Amel	D8S1179	D21S11	D18S51	D5S818	D13S317	D7S820	Comments
2448 27T ₃ shirt	16,17	16,18	18,21.2	X4	14	28,30	14,15	11,12	12,13	10,11	
2449 27T ₄ shirt	15	14,16,17	21,23,24	X	13	28,29	15,17	11	11	10	
	(14)				(12)	(32.2)		(12)	(12)	(11)	
2450 27T ₅ shirt ② collar inside	16,17	16,18	18,21.2	X4	14	28,30	14,15	11,12	12,13	10,11	
	(14,15)	(14,17 19)			(11) **	(32.2)			(11)		** possible stutter
2451 30T ₁ jeans pocket	14,15,16,17	14,16,17, 18	21.2,23	X	12,13,14	28,29,30, 32.2	14,15	11,12	11,12,13	10,11	Mixture - ** stochastic range
2451R			24	(4)							
2452 30T ₂ jeans pocket	16,17	16,18	18,21.2	X4	14	28,30	14,15	11,12	11,12,13	10,11	- mixture -
	(14,15)		(23)		(13)	(29)					
2453 30T ₃ jeans	16,17	16,18	18,21.2	X4	14	28,30	14,15	11,12	12,13	10,11	
2454 30T ₄ jeans	16,17	16,18	18,21.2	X4	14	28,30	14,15	11,12	12,13	10,11	
2455 30T ₆ jeans	16,17	16,18	18,21.2	X4	14	28,30	14,15	11,12	12,13	10,11	

()^{minor} Non-Vict. allele - ~~not repeat~~ see 2 additional ^{repeat} injections

* see Reamp

** detected on 1 re-injection only

STR TYPING RESULTS

Crime Lab #s:

0303339

Chu

18 July 03

Profiler Plus Alleles Detected:

STR TYPING RESULTS

Crime Lab #s:

0303339

Analyst:

CW

Date:

18 July 03

Profiler Plus Alleles Detected:

Sample Information	D3S1358	vWA	FGA	Amel	D8S1179	D21S11	D18S51	D5S818	D13S317	D7S820	Comments
2436 19.1 ^{T₁} Shorts	16,17	16,18	18,21.2	x4	14	28,30	14,15	11,12	12,13	10,11	
2437 19.1 ^{T₂} Shorts	14,15	14,16	23,24	x	12,13	29,32.2	15	11,12	11	10,11	
2438 19.2 T-shirt	16,17	16,18	18,21.2	x4	14	28,30	14,15	11,12	12,13	10,11	
2439 22.7 ^{1st.} drawer	16,17	16,18	18,21.2	x4	14	28,30	14,15	11,12	12,13	10,11	
2440 22.8 Garage ^{floor}	16,17	16,18	18,21.2	x4	14	28,30	14,15	11,12	12,13	10,11	
2441 24.1 dishwasher	16,17	16,18	18,21.2	x4	14	28,30	14,15	11,12	12,13	10,11	
2442 25.8 Steering ^{wheel}	16,17	16,18	18,21.2	x4	14	28,30	14,15	11,12	12,13	10,11	
2443 25.19 ^{seat} belt	16,17	16,18	18,21.2	x4	14	28,30	14,15	11,12	12,13	10,11	
2444 32 ^{Kinfe} blade	14,15	14,16	23,24	x	12,13	29,32.2	15	11,12	11	10,11	
2445 33 ^{17A} tile	16,17	16,18	18,21.2	x4	14	28,30	14,15	11,12	12,13	10,11	
2446 27T ₁ shirt	16,17	16,18	18,21.2	x4	14	28,30	14,15	11,12	12,13	10,11	
2447 27T ₂ shirt	16,17	16,18	18,21.2	x4	14	28,30	14,15	11,12	12,13	10,11	

STR TYPING RESULTS

Crime Lab #s:
Analyst:
Date:

COPY

90 - D - 100 - ID: EOC0

STR TYPING RESULTS

Crime Lab #s:

0303339

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18 July 03

Profiler Plus Alleles Detected:

COPY

COPY

STR TYPING RESULTS

Crime Lab #s:

Analyst:

Date

0303339

Chen

18 July 03

Profiler Plus Alleles Detected:

Sample Information	D3S1358	vWA	FGA	Amel	D8S1179	D21S11	D18S51	D5S818	D13S317	D7S820	Comments
2456 Patricia Syren	14,15	14,16	23,24	X	12,13	25,32.2	15	11,12	11	10,11	
2457 Billy Cridsinger	16,17	16,18	18,21.2	X4	14	28,30	14,15	11,12	12,13	10,11	
2471 P. Maguire	15	16,17	21,24	X	13	28,29	15,17	11	11,12	10	

CERTIFICATE OF ANALYSES

OFFICE OF CHIEF MEDICAL EXAMINER
CRIMINALISTICS LABORATORIES
200 FELIKS GWODZ PLACE
FORT WORTH, TEXAS 76104

NIZAM PEERWANI, M.D., DABFP
CHIEF MEDICAL EXAMINER
RONALD L. SINGER, M.S.
CRIME LABORATORY DIRECTOR

FORENSIC BIOLOGY / DNA LABORATORY

NAMES: Patricia Syren
Pearl Magouirk

CRIME LAB #: 0303339
Related Crime Lab #: 0303340

OFFENSE: Homicides

PRIORITY: 1

REQUESTED BY: Detective John McCaskill
Michele Hartmann – T.C.D.A.

Fort Worth P. D. Service #: 03038339

DATES OF REQUEST: June 26, July 8 & 16, August 27, 2003

DATE OF COMPLETION: September 3, 2003
Previous Report: July 23, 2003

DNA ANALYST: Carolyn Van Winkle

EVIDENCE RECEIVED:

Received from the Tarrant County Medical Examiner (T.C.M.E.) Morgue on April 15, 2003:

- 16 (0303340): Autopsy blood sample (FTA) – Pearl Magouirk
20 (0303339): Autopsy blood sample (FTA) – Patricia Syren

Received from the T.C.M.E. Evidence Custodian on June 26, 2003:

- 19.1 (0303340): Jeans (autopsy clothing) in a sealed sack
19.3 (0303340): White top (autopsy clothing) in a sealed sack

19.1 (0303339): Blue shorts (autopsy clothing) in a sealed sack
19.2 (0303339): Light gray T-shirt (autopsy clothing) in a sealed sack

Sealed envelope containing #s 22, 23 & 24:

- 22.1 (0303339): Stained wipe in an envelope labeled "sample #1"
22.2 (0303339): Stained wipe in an envelope labeled "sample #2"
22.3 (0303339): Stained wipe in an envelope labeled "sample #3"
22.4 (0303339): Stained wipe in an envelope labeled "sample #4"
22.5 (0303339): Stained wipe in an envelope labeled "sample #5"
22.6 (0303339): Stained wipe in an envelope labeled "sample #6"
22.7 (0303339): Stained wipe in an envelope labeled "sample #7"
22.8 (0303339): Stained wipe in an envelope labeled "sample #8"
22.9 - 22.16 (0303339): Eight envelopes labeled "control #1", "control #2",
"control #3", "control #4", "control #5", "control #6",
"control #7", "control #8"

- 23.1 (0303339): Stained wipe in an envelope labeled "sample #11"
23.2 (0303339): Stained wipe in an envelope labeled "sample #12"
23.3 (0303339): Stained wipe in an envelope labeled "sample #13"

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- 23.4 (0303339): Stained wipe in an envelope labeled "sample #14"
23.5 - 23.8 (0303339): Four envelopes labeled "control #11", "control #12",
"control #13", "control #14"
24.1 (0303339): Stained wipe in an envelope labeled "sample #23"
24.2 (0303339): Stained wipe in an envelope labeled "sample #24"
24.3 - 24.4(0303339): Two envelopes labeled "control #23" and "control #24"
Sealed sack containing # 25 from vehicle:
25.1 (0303339): Swab in a sealed envelope labeled "item #1"
25.2 (0303339): Swab in a sealed envelope labeled "item #2"
25.3 (0303339): Swab in a sealed envelope labeled "item #3"
25.4 (0303339): Swab in a sealed envelope labeled "item #4"
25.5 (0303339): Swab in a sealed envelope labeled "item #5"
25.6 (0303339): Swab in a sealed envelope labeled "item #6"
25.7 (0303339): Swab in a sealed envelope labeled "item #7"
25.8 (0303339): Swab in a sealed envelope labeled "item #8"
25.9 (0303339): Swab in a sealed envelope labeled "item #9"
25.10 (0303339): Swab in a sealed envelope labeled "item #10"
25.11 (0303339): Swab in a sealed envelope labeled "item #11"
25.12 (0303339): Swab in a sealed envelope labeled "item #12"
25.13 (0303339): Swab in a sealed envelope labeled "item #13"
25.14 (0303339): Swab in a sealed envelope labeled "item #14"
25.15 (0303339): Swab in a sealed envelope labeled "item #15"
25.16 (0303339): Swab in a sealed envelope labeled "item #16"
25.17 (0303339): Swab in a sealed envelope labeled "item #17"
25.18 (0303339): Swab in a sealed envelope labeled "item #18 control"
25.19 (0303339): Portion of seat belt in a sealed sack labeled "item #19..."
Sealed box containing #s 26 - 31clothing:
26 (0303339): Sealed sack labeled "#1"
27 (0303339): Denim shirt in a sealed sack labeled "#2"
28 (0303339): Gray T-shirt in a sealed sack labeled "#3"
29 (0303339): Sealed sack labeled "#4"
30 (0303339): "Wrangler" jeans in a sealed sack labeled "#5"
31 (0303339): Sealed sack labeled "#6"
32 (0303339): Bent knife blade in a sealed envelope

Obtained by Carolyn Van Winkle on July 8, 2003 in the presence of Detective John McCaskill:
33 (0303339): Swabs (2) from tile in sack labeled "Item 17A"

Received from the T.C.M.E. Evidence Custodian on July 17, 2003:
51 (0303339): Watch inside sealed sacks / bags

Received from Detective John McCaskill on August 27, 2003:
52: (0303339): Swabs (2) in a sealed envelope labeled "...Crutsinger, Billy
8-27-03..."

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RESULTS:

Presumptive testing for blood was positive on items 19.1 (0303340) jeans, 19.3 (0303340) top, 19.1 (0303339) shorts, 19.2 (0303339) T-shirt, 22.1 - 22.6, 22.9 wipes, 23.1 - 23.4 wipes, 24.2 wipe, 25.6, 25.7, 25.9, & 25.10 swabs, 27 shirt, 28 T-shirt, 30 jeans, and 32 knife.

Testing for the presence of human blood was positive on items 22.7, 22.8, 24.1 wipes, 25.8 swab, 25.19 seat belt, 27T₃ & 27₄ shirt, 30T₂ & 30T₃ jeans and 33 tile swab.

Blood was not detected on item 51 watch.

No analysis was conducted on items 22.10 - 22.16, 23.5 - 23.8, 24.3 - 24.4, 25.1 - 25.5, 25.11 - 25.18, 26, 29, and 31.

Human DNA was recovered and quantified from the following items:

CL# 0303340: 19.1T₁ jeans, 19.3T₁ top & 16 Pearl Magouirk's autopsy blood
CL# 0303339: 19.1T₁ shorts, 19.1T₂ shorts, 19.2T₁ T-shirt, 20 Patricia Syren's autopsy blood, 52 Billy Crutsinger's swabs, 22.7 drawer, 22.8 garage, 24.1 dishwasher, 25.8 steering wheel, 25.19 seat belt, 27T₁- 27T₄ shirt stains, 27T₅ shirt neck swabbing, 30T₁ & 30T₂ jean cutoffs pocket stains, 30T₃, 30T₄ & 30T₆ jean cutoffs stains, 32 knife blade, and 33 tile stain.

The recovered DNA was characterized through Polymerase Chain Reaction (PCR) with analysis of the Amelogenin locus for sex determination and the following Short Tandem Repeat (STR) loci: D3S1358, vWA, FGA, D8S1179, D21S11, D18S51, D5S818, D13S317, and D7S820.

Items from CL# 0303340: 19.1T₁ jeans & 16 Pearl Magouirk's autopsy blood and CL# 0303339: 19.1T₁ shorts, 20 Patricia Syren's autopsy blood, 52 Billy Crutsinger's swabs, 27T₄ shirt stains, 30T₁ & 30T₂ jean cutoffs pocket stains were also characterized at the additional STR loci: D16S539, TH01, TPOX, and CSF1PO.

CONCLUSIONS:

A single male DNA profile that matches the DNA profile obtained from Billy Crutsinger (item 52) was obtained from each of the following items:

CL# 0303340: 19.1T₁ Pearl Magouirk's jeans
CL# 0303339: 19.1T₁ Patricia Syren's shorts, 19.2T₁ Patricia Syren's T-shirt, 22.7 drawer, 22.8 garage, 24.1dishwasher, 25.8 steering wheel, 25.19 seat belt, 27T₁- 27T₃ shirt stains, 30T₃ , 30T₄ & 30T₆ jean cutoffs stains, and 33 tile stain.

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A single female DNA profile that matches the DNA profile obtained from Patricia Syren (item 20) was obtained from items 19.3T₁ (0303340) Pearl Magouirk's top; 19.1T₂ (0303339) Patricia Syren's shorts, and 32 knife blade (0303339).

The DNA profile obtained from the denim shirt left front pocket stain, item 27T₄, is a mixture of DNA from at least two female contributors which correspond to alleles originating from both Patricia Syren (item 20) and Pearl Magouirk (item 16). Billy Crutsinger (item 52) is excluded as a contributor of this DNA.

The DNA profile obtained from the denim shirt collar, item 27T₅, is a mixture of DNA from at least two contributors. The major male DNA profile matches the DNA profile obtained from Billy Crutsinger (item 52). Minor DNA alleles detected at the loci D3S1358, vWA, D21S11, and D13S317 were consistent with having originated from Patricia Syren (item 20). A single minor DNA allele at the locus D8S1179 could not have originated from Patricia Syren, Billy Crutsinger, or Pearl Magouirk.

The DNA profile obtained from the jean cutoffs pocket stain, item 30T₁, is a mixture of DNA from more than two contributors. Male DNA was detected. This mixed DNA profile is consistent with having originated from Pearl Magouirk (item 16), Patricia Syren (item 20), and Billy Crutsinger (item 52). Results at the D18S51 locus were inconclusive.

The DNA profile obtained from the jean cutoffs pocket stain, item 30T₂, is a mixture of DNA from at least two contributors. Male DNA was detected. Alleles that correspond to those of Billy Crutsinger (item 52) were detected at all thirteen loci. Although additional alleles detected at the loci D3S1358, and TPOX correspond to those of Patricia Syren, results at the loci FGA, D8S1179, D21S11 and CSF1PO were inconclusive.

STATISTICAL DATA

The probability of selecting an unrelated individual having the same DNA profile as that obtained from items CL# 0303340: 19.1T₁ Pearl Magouirk's jeans and CL# 0303339: 19.1T₁ Patricia Syren's shorts (which each match Billy Crutsinger's DNA profile) is approximately:

1 in	86,600,000,000,000	in Caucasians
1 in	1,790,000,000,000,000	in African Americans
1 in	243,000,000,000,000	in Southwest Hispanics

Based on the DNA data obtained from the denim shirt left front pocket stain, item 27T₄, [which is consistent with having originated from both Patricia Syren (item 20) and Pearl Magouirk (item 16)], it is expected that at least 99.99% of unrelated individuals in each of the Caucasian, African American, and Hispanic populations are excluded as possible contributors to this mixture.

86 Trillion
1.7 Quadrillion
243 Trillion

CL#: 0303339 / 0303340
September 3, 2003
Page 5

Based on the DNA data obtained from the jean cutoffs pocket stain, item 30T₁, [which is consistent with having originated from Patricia Syren (item 20), Pearl Magouirk (item 16), and Billy Crutsinger (item 52)], it is expected that at least 99.8% of unrelated individuals in each of the Caucasian, African American, and Hispanic populations are excluded as possible contributors to this mixture.

CODIS ENTRY:

The DNA profile obtained from item CL# 0303340: 19.1T₁ jeans will be entered into the COmbed DNA Index System (CODIS), where it will be searched against casework databases (local, state, and national) and convicted offender databases (state and national). In the event of any significant matches, your agency will be notified.

DISPOSITION OF EVIDENCE:

Biology / DNA laboratory: CL#: (0303340) Items 19.1T₂ & 19.3T₂
CL#: (0303339) Items 22.1 - 22.6, 23.1 - 23.4, 24.2, 25.6,
25.7, 25.9, 25.10, 28T₁ - 28T₃ & 30T₅

Remaining items CL# 0303340: 19.1T₁, 19.3T₁, & 16
CL# 0303339: 19.1T₁, 19.1T₂, 19.2T₁, 20, 22.7, 22.8,
24.1, 25.8, 25.19, 27T₁- 27T₅, 30T₁ - 30T₄, 30T₆, 32, 33 & 52

TCME Evidence Custodian: CL#: (0303340): Items 19.1 & 19.3
CL#: (0303339): Items 19.1, 19.2, 22.9 - 22.16, 23.5 - 23.8,
24.3 - 24.4, 25.1 - 25.5, 25.11 - 25.19, 26 - 31 & 51
Packaging only Items 22.1 - 22.8, 24.1, 23.1 - 23.4, 24.2 & 52

For additional inquiries or requests, please contact the DNA laboratory at 817-212-7026.

DNA ANALYST: Carolyn Van Winkle, M.S.

Carolyn Van Winkle

APPROVED BY: Ronald L. Singer, M.S.



**TARRANT COUNTY MEDICAL EXAMINER'S OFFICE
SEROLOGY**

SEmen / SALIVA DATA SHEET

Crime lab Number(s): 0303340

Analyst: cw

ITEM #/DESCRIPTION	AP	Sperm	P30 (ABA)	Amylase	LMG
--------------------	----	-------	--------------	---------	-----

#18 SA 16 containing
Sealed items:

Date: 9/18/03 9/18/03 _____

18.1 Vaginal Smear		∅			
18.2 Oral Smear		∅			
18.3 Anal Smear		∅			
18.4 Vaginal Swabs (6)	∅ (x6)				
18.5 Oral Swabs (4)	∅ (x4)				
18.6 Anal Swabs (4)	∅ (x4)				
18.7 Perianal Swabs	∅ (x2)				
18.8 Pulled scalp hair					
18.9 Combed Pubic hair					
18.10 Pulled Pubic hair					

DISPOSITION: # 18.8 - 18.10 unopened

TARRANT COUNTY MEDICAL EXAMINER'S OFFICE
SEROLOGY Q.C. DATA AND RESULTS

Crime lab Number(s): 0303340

Analyst: CJW

LOT NUMBERS /CONTROL RESULTS

Semen AP: (+) + (-) - Date: 5-8-03 Serial lot#: 1521 Exp. 1003

P30: _____ Date: _____ ABA lot#: _____

Blood LMG: (+) - (-) - Date: _____ lot#: _____

Anti-human: (+) - (-) - Date: _____ ABA lot#: _____ Exp. _____

Ouchterlony: (+) - (-) - Date: _____ lot#: _____ Exp. _____

Luminol: (+) - (-) - Date: _____ Prep. Date: _____ Exp. _____

Saliva amylase: Date: _____ Buffer lot#: _____ Exp. _____

1:100 (+) mm (-) mm

1:500 (+) mm

7 July 03

Crew

Rec'd 26 June 03 #s 19.1 & 19.3
from G. Dill

#s 19.1 & 19.3 in separate sacks packaged inside
larger sealed b.p.s. /Additional clothing items # 19
NOT Received

19.1

Sealed b.p.s. containing

lastic waist short jeans sz "16 A Handful for Her"
ie Capri length

Blood soaked

LMG:pos

T₁ ~2mm
Stain
frozen

T₂ ~3mm
Stain
frozen



"L side"

19.3 -

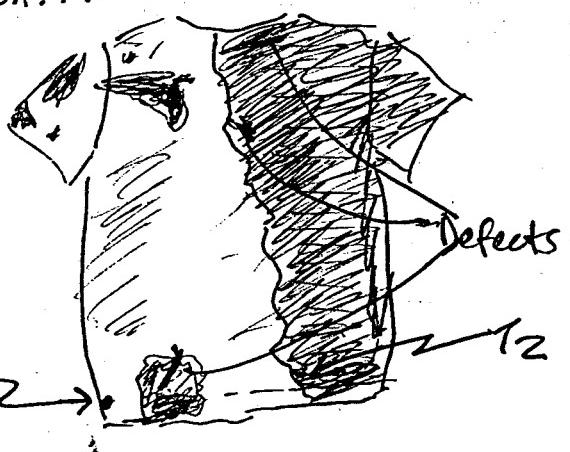
Sealed b.p.s. containing
White short sleeve top "Club USA..."

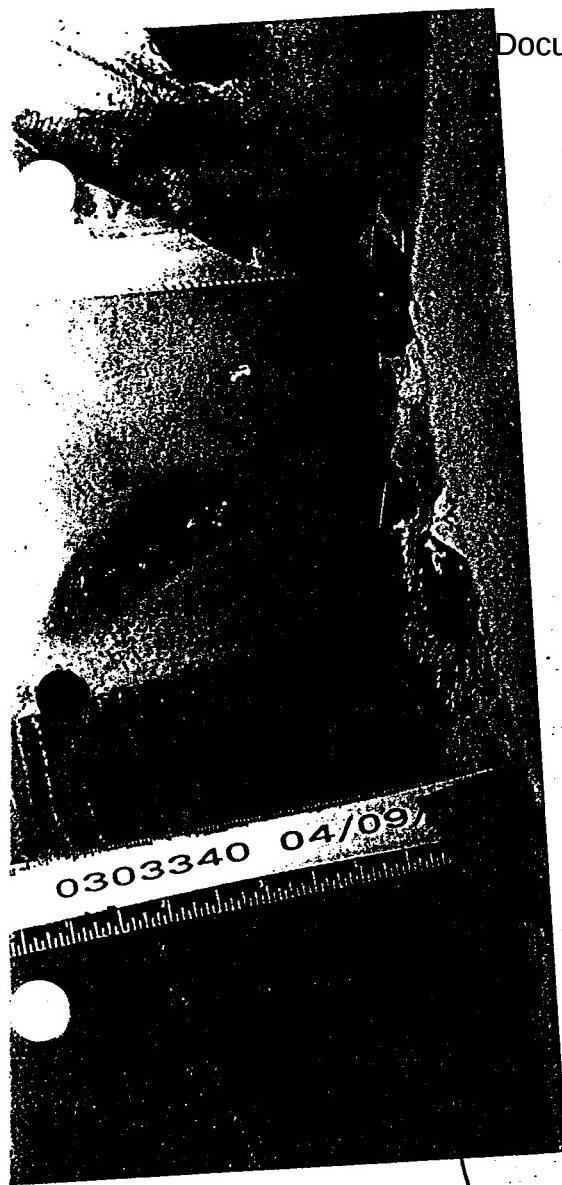
Blood soaked

LMG:pos

T₁ & T₂

T₁ ~5mm
frozen





0303340
CCW

Drops
on
Pearl
lower back

TARRANT COUNTY MEDICAL EXAMINER'S OFFICE
SEROLOGY Q.C. DATA AND RESULTS

Crime lab Number(s): 030 3340

Analyst: CW

LOT NUMBERS /CONTROL RESULTS

Semen AP: (+) + (-) 0 Date: 9-8-03 Seri lot#: 1521 Exp. 1003

P30: _____ Date: _____ ABA lot#: _____

Blood LMG: (+) + (-) 0 Date: 7-7-03 lot#: 121702CLP
+ 0 7-8-03 121702AD
+ 0 7-18-03 121702AP

Anti-human: (+) + (-) 0 Date: 7-23-03 ABA lot#: _____ Exp. June 2004

Ouchterlony: (+) (-) Date: _____ lot#: _____ Exp. _____

Luminol: (+) (-) Date: _____ Prep. Date: _____ Exp. _____

Saliva amylase: Date: _____ Buffer lot#: _____ Exp. _____

1:100 (+) mm (-) mm

1:500 (+) mm

OFFICE OF THE CHIEF MEDICAL EXAMINER

TARRANT COUNTY MEDICAL EXAMINER'S DISTRICT

200 FELIKS GWOZDZ PLACE
 FORT WORTH, TEXAS 76104-4949
 817-920-5700 FAX 817-920-5713
CHAIN OF CUSTODY FORM

COPY

Date of Submission: 8-28-03

Date of Offense: 4-8-03

Crime Lab Number:

ME Number: 0303340 & 0303339

Agency, Address & Phone Number:

FWPD 350 W. Belknap St., FW Tx 76102
817-877-8225 for TCCA's Office

Offense Number: 03038339

Type of Offense: Cap. Murder

Victim: Syren Patricia / Maguire, Pearl

Suspect(s): Crutinger, Billy

Contact Name & Phone Number:

Deq. John McCaskill for Michelle
Hartmann, ADA

Exhibit #	Quantity	Description of Articles	
18.1 & 18.4	few	Vaginal swabs and smear from Pearl Maguire	
18.2		Oral " " " "	
18.3 & 18.6		Anal " " " "	
18.7		Perianal swabs from Pearl Maguire	
18.9		Combed pubic hair " " "	
18.8 & 18.10		Pulled " " " "	
18.8		Pulled scalp hair " " "	
18.7 & 18.4		Vaginal swabs and smear from Patricia Syren	
18.6 & 18.3		Oral " " " "	
18.8 & 18.5		Anal " " " "	
18.9		Perianal swabs from Patricia Syren	
18.11		Combed Pubic hair " " "	
		(see page 2 for chain of custody info)	
Exhibit #	Date/Time	Relinquished By	Received By
	8-28-03 0940	Print John McCaskill Sign [Signature]	Print Traci Wilson Sign [Signature]
18.1 - 18.3 (0303340) 8.10	8-28-03 1050	Print T. Wilson Sign [Signature]	Print C. Van Winkle Sign [Signature]
18.1 - 18.9 18.10	9/18/03 1420	Print C. Van Winkle Sign [Signature]	Print R.G. - D. II Sign [Signature]
18.3 - 18.2 18.3 - 18.2	9/18/03 1420	Print C. Van Winkle Sign [Signature]	Print R.G. - D. II Sign [Signature]
		Print _____ Sign _____	Print _____ Sign _____
		Print _____ Sign _____	Print _____ Sign _____
		Print _____ Sign _____	Print _____ Sign _____

**OFFICE OF THE CHIEF MEDICAL EXAMINER
TARRANT COUNTY MEDICAL EXAMINER'S DISTRICT**
200 FELIKS GWOZDZ PLACE
FORT WORTH, TEXAS 76104-4949
817-920-5700 FAX 817-920-5713
CHAIN OF CUSTODY FORM

Date of Submission: 8-28-03
Date of Offense: 4-8-03
Crime Lab Number: 03C3339 (cm)
ME Number: ↓
Agency, Address & Phone Number:
FWPD 350 W. Belknap St., FW Tx. 76102
817-877-8225 for FCDO's Office

Offense Number: 03038339
Type of Offense: Cap. Murder
Victim: Syren, Patricia, Maguire, Pearl
Suspect(s): Crotzinger, Billy

Contact Name & Phone Number:
Dr. John McCaskill for Michelle Hartman, ADA

Exhibit #	Quantity	Description of Articles
8.10		Pulled Pubic hair from Patricia Syrou
18.12		Pulled scalp hair " " "

Exhibit #	Date / Time	Relinquished By	Received By
	8-28-09 5 0940	Print John McGaskill Sign John J. Wilson	Print Traci Wilson Sign Traci Wilson
18.3 - 18.12	8-28-03 1050	Print Traci Wilson Sign Traci Wilson	Print C. Van Winkle Sign C. Van Winkle
18.3 - 18.12	9-18-03 1420	Print C. Van Winkle Sign C. Van Winkle	Print RCG - D/L Sign RCG - D/L
		Print _____ Sign _____	Print _____ Sign _____
		Print _____ Sign _____	Print _____ Sign _____
		Print _____ Sign _____	Print _____ Sign _____
		Print _____ Sign _____	Print _____ Sign _____

Chain of Custody Form

copy

Date of Submission 27 Aug 03
Offense Number 03038339
Type of Offense Homicides
Date of Offense _____
Agency & Address:
FWD, 350 W. Beiknapp St.,
Ft. Worth, TX. 76102

T.C.M.E. Number 030334
Victim Name Patricia Syren
Suspect(s) Billy Cratsinger
Contact Name & Phone Number:
Det. John McCaskill for Michelle
Hartmann, DA's Office

REQUESTS:

OFFICE OF THE CHIEF MEDICAL EXAMINER
TARRANT COUNTY MEDICAL EXAMINER'S DISTRICT
200 FELIKS GWOZDZ PLACE
FORT WORTH, TEXAS 76104-4949
817-920-5700 FAX 817-920-5713
CHAIN OF CUSTODY FORM

Date of Submission: 8-28-03
Date of Offense: 4-8-03
Crime Lab Number:
ME Number: 0303340 { CW } 0303339
Agency, Address & Phone Number:
FWPD, 350 W. Belknap St., FW Tx 76102
817-877-8225 for TCBAs Office

Offense Number: 03038339
Type of Offense: Cap. Murder
Victim: Syren, Patricia / Magavirk, Pearl
Suspect(s): Crutsinger, Billy
Contact Name & Phone Number:
Det. John McCaskill for Michelle
Hartmann, ADA

Exhibit #	Quantity	Description of Articles	
18.1 & 18.4	{ few }	Vaginal swabs and smear from Pearl Magavirk	
18.3 & 18.2		Oral " " " "	
18.3 & 18.6		Anal " " " "	
18.7		Perianal swabs from Pearl Magavirk	
18.9		Combed pubic hair "	
cup 18.8 & 18.10		Pulled " " " "	
18.8		Pulled scalp hair " " "	
18.7 & 18.4		Vaginal swabs and smear from Patricia Syren	
18.6 & 18.3		Oral " " " "	
18.8 & 18.5		Anal " " " "	
18.9		Perianal swabs from Patricia Syren	
18.11		Combed Pubic hair " " "	
Exhibit #	Date/Time	Relinquished By	Received By
	8-28-03 0940	Print <u>John McCaskill</u> Sign <u>J. McCaskill</u>	Print <u>Traci Wilson</u> Sign <u>Traci Wilson</u>
18.1 - 18.9 30 18.10	8-28-03 1050	Print <u>T. Wilson</u> Sign <u>T. Wilson</u>	Print <u>C. Van Winkle</u> Sign <u>C. Van Winkle</u>
(18.1-18.9 18.10)	9-18-03 1420	Print <u>C. Van Winkle</u> Sign <u>C. Van Winkle</u>	Print <u>B. G. Dr. H.</u> Sign <u>B. G. Dr. H.</u>
		Print _____ Sign _____	Print _____ Sign _____
		Print _____ Sign _____	Print _____ Sign _____
		Print _____ Sign _____	Print _____ Sign _____
		Print _____ Sign _____	Print _____ Sign _____

EVIDENCE RECEIVED

Case 4:07-cv-00703-Y Document 87-3 Filed 11/03/17 Page 130 of 196 PageID 5076

BLOOD SWATCHES

0303340
CWB

M. E. Number	Drs. Int.	Date	For Laboratory Use
0303313			
0303315			
0303323			
0303326			
0303328			
03337	0303338		
0303339			-retained frozen 6/26/03 cwb
0303340			-retained frozen 6/26/03 cwb
0303341			
0303351			
0303389			
0303401			
0303404			
0303407			
0303430			
0303436			
0303438			
0303439			
0303440			

Received By:

CWD

e:

445-03

DNA EXTRACTION WORKSHEET

Date(s) started: K 7-9-03
Q 7-10-03
Analyst: CW

Crime Lab #(s): 0303340

Quantitation: PP Amplification(s): Co:

Amp #	Sample Information	Quant.	ng/ μ l	μ l DNA	μ l H ₂ O	μ l DNA	μ l H ₂ O
2469 2446 CW	19.1 T. jeans	5.0	2.5	0.2	9.8	0.3	9.7
2470 2447 CW	19.3 T. Top	4.0	2.0	0.25	9.75		
2471 2448 CW	16 Pearl Magouirk G.S. 1:10	2.5	1.25	0.4	9.6	0.35	9.65
			n2.0				
2430	Q Ext Cont			Ø			
2432	R Ext Cont			Ø			

Organic Extraction: ✓ Q
Chelex Extraction: ✓ IC

Extract Disposition: _____

Comments: _____

DNA QUANTITATION RESULTS

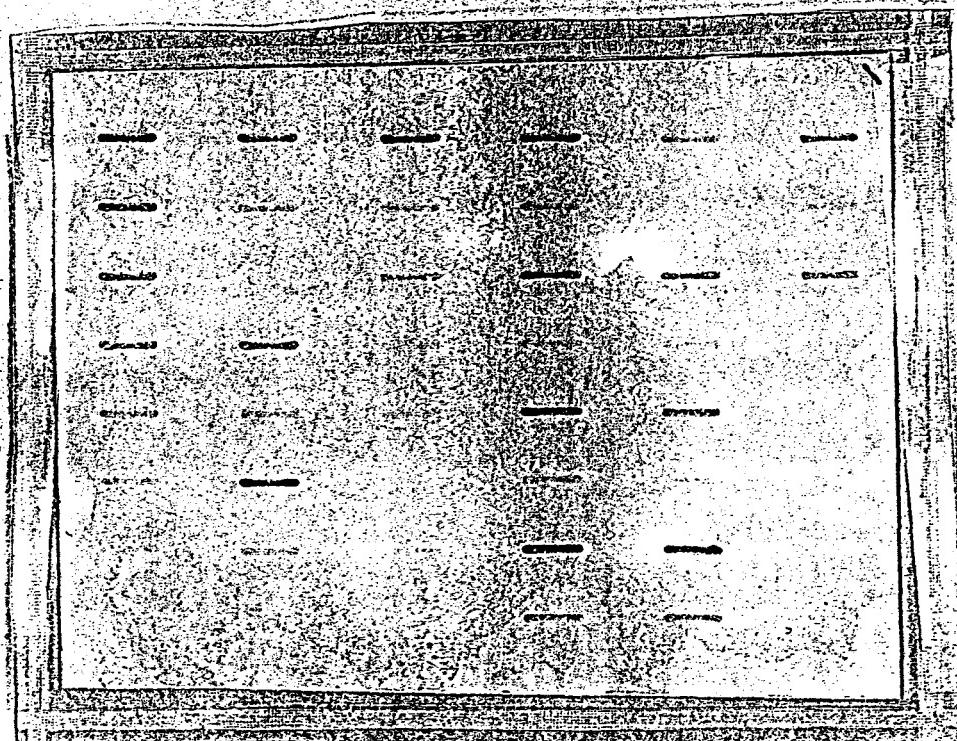
Analyst: 7-14-03
 Date: CIP / CRW
 Sample volumes: 2 μl

Crime Lab #(s):

010679T
011866T
0305136
0305837
0305330
0303339
0303340

	1	2	3	4	5	6
A	10 ng	Calibrator 1 - 3.5 ng	010679T 26	→ 30	0303339 20	0305330 1.4
B	5 ng	Calibrator 2 - 0.5 ng	26 1:10	30 1:10	20 1:10	1.4 1:10
C	2.5 ng		27	0305136 8.9	21	8
D	1.25 ng	011866T K1	27 1:10	8.9 1:10	21 1:10	8 1:10
E	0.62 ng	K1 1:10	28	9	0303340 16	
F	0.31 ng	K2	28 1:10	9 1:10	16 1:10	
G	0.15 ng	K2 1:10	29	0305837 12	13	
H	0 ng		29 1:10	12 1:10	13 1:10	K.Exact

LUMIGRAPH



DNA QUANTITATION RESULTS

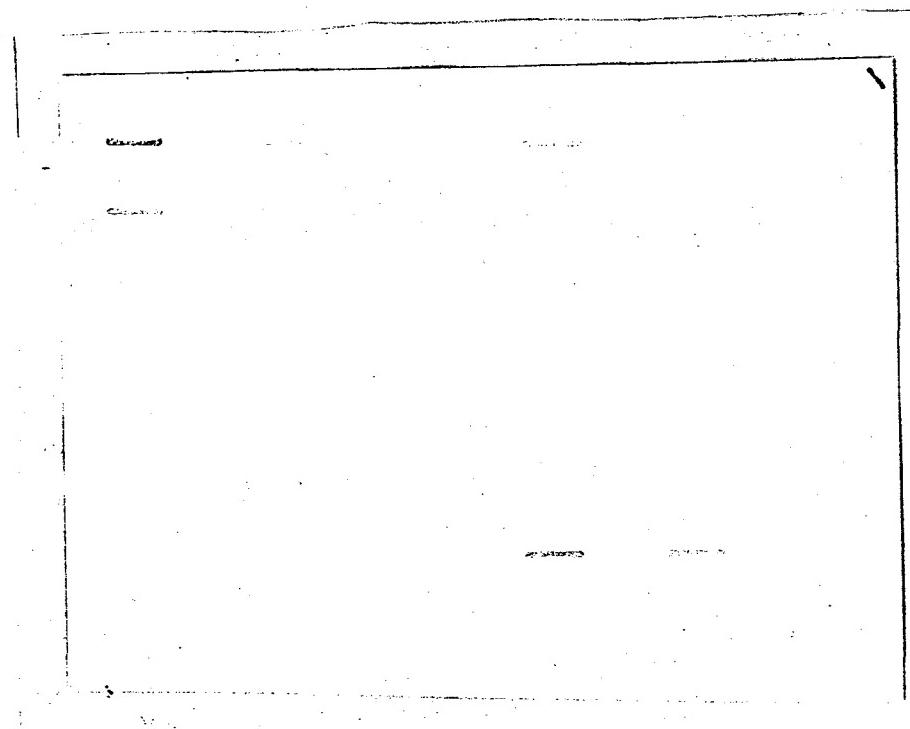
Analyst: 7-1103
 Date: CER / CRW
 Sample volumes: 2ul

Crime Lab #(s):

010679T
011866T
0305136
0305837
0305330
0303339
0303340

	1	2	3	4	5	6
A	10 ng	Calibrator 1 - 3.5 ng	010679T 26	→ 30	0303339 20	0305330 1.4
B	5 ng	Calibrator 2 - 0.5 ng	26 1:10	30 1:10	20 1:10	1.4 1:10
C	2.5 ng		27	0305136 89	21	8
D	1.25 ng	011866T K1	27 1:10	89 1:10	21 1:10	8 1:10
E	0.62 ng	K1 1:10	28	9	0303340 16	
F	0.31 ng	K2	28 1:10	9 1:10	16 1:10	
G	0.15 ng	K2 1:10	29	0305837 12	13	
H	0 ng		29 1:10	12 1:10	13 1:10	K.Exact1

LUMIGRAPH



A QUANTIFICATION CHART

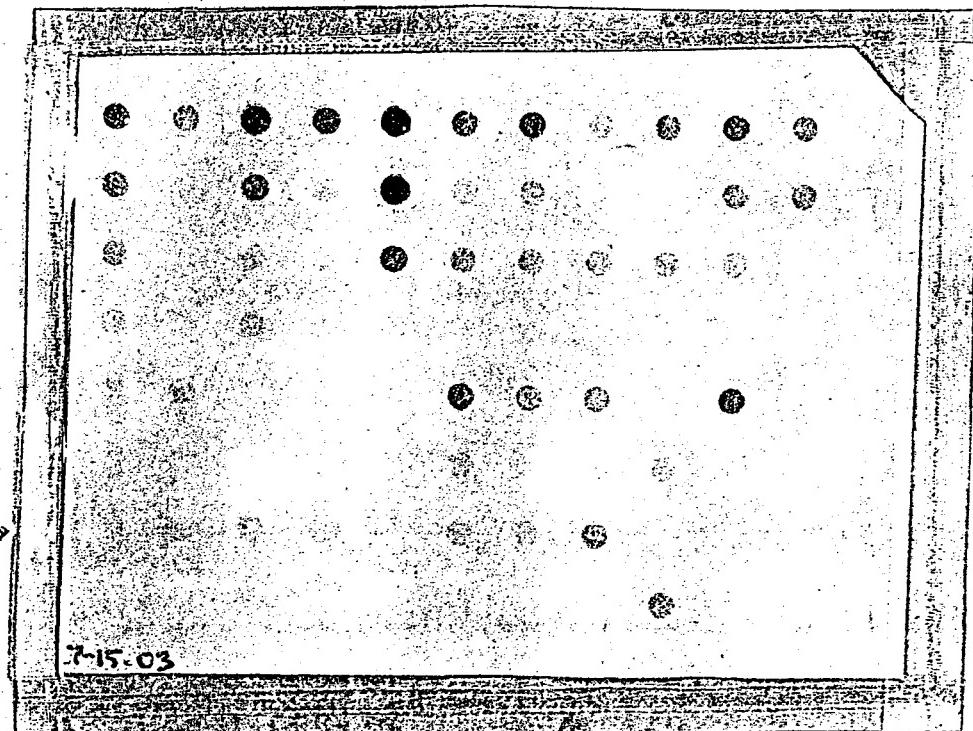
Analyst: (CWL)
 Date: 15 July 03
 Sample volumes: 2 μl

Crime Lab #(s):
0305804
0305806
0303339
0203115
0305136
0305837

0305330
0303340

	1	2	3	4	5	6	7	8	9	10	11	12
A	10 ng	Calibrator 1 - 3.5 ng	0305136 2 ECU	0305330 1.1 ECU	0305837 3 ECU	0303339 19.1 T ₁	22.8	32	27T ₃	30T ₃	19.7T ₁	0303340
B	5 ng	Calibrator 2 - 0.5 ng	2EC1 (1:10) 1.1 ECU	(1:10) 3 (1:10)	ECU 3 (1:10)	19.1 T ₁ (1:10)	22.8 1:10	32 (1:10)	27T ₃ (1:10)	30T ₃ (1:10)	19.3 T ₁	
C	2.5 ng		2EC2	1.1 ECU (1:100)	ECU 3 (1:100)	19.7T ₂	24.1	33	27T ₄	30T ₄		
D	1.25 ng	0305806 1	2sp	1.1 ECZ	3 ECZ	19.7T ₂ (1:10)	24.1 (1:10)	33 (1:10)	27T ₄ (1:10)	30T ₄ (1:10)		ECU Extctd.
E	0.62 ng	0305804 1	7sp (1:10)	1.1 sp	3 sp	19.2	25.8	27T ₁	27T ₅	30T ₆		ECZ Extctd.
F	0.31 ng	1 (1:10)			2 ECU	19.2 (1:10)	25.8 (1:10)	27T ₁ (1:10)	30T ₁			Sp Extctd.
G	0.15 ng	0203115 48	0306033 1.1 T ₁	0305837 8	2 ECZ	22.7	25.19	27T ₂	30T ₁ (1:10)			Q Extctd. Q Ctx
H	0 ng	48 (1:10)	1.2 T ₁		2 sp	22.7 (1:10)		27T ₂ (1:10)	30T ₂			Q Extctd. Q org

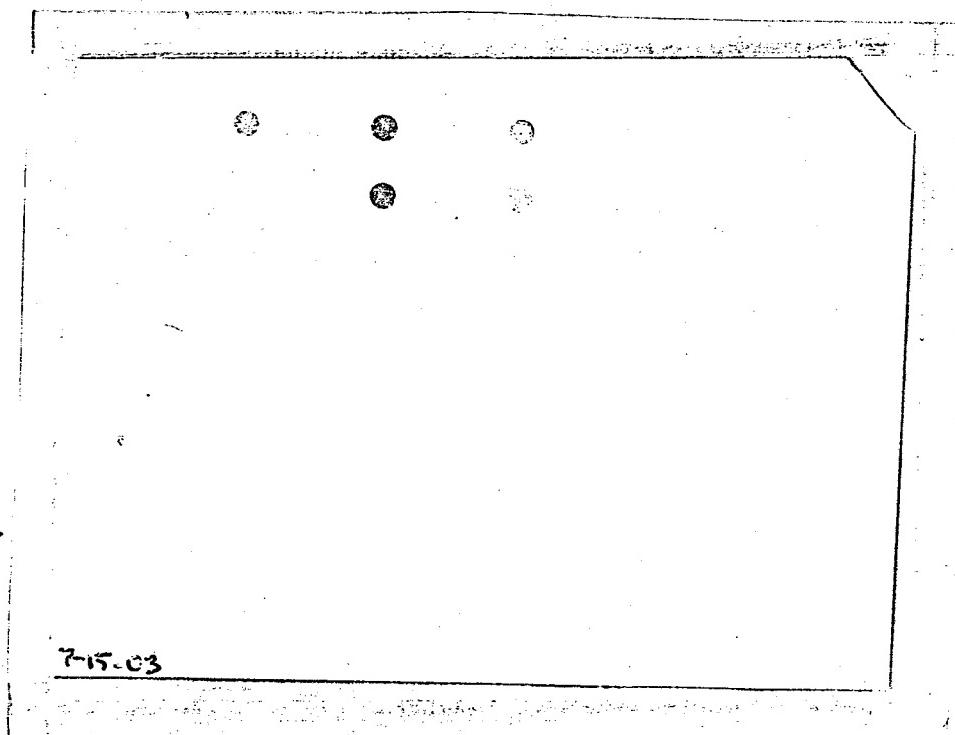
3340
0306797
(new)
grw
15 July 03



03 03340

arw

15 July 03



**AMPLIFICATION AND
SAMPLE WELL POSITION WORKSHEET**

Date of amplification: 15 July 03
 Analyst: CW

Crime Lab #(s): 0203115 0303339
0306033 0303340
0305804 0305330
0305806 0305839
0106747 0305136
0118667

Profiler Plus:
 COfiler:

Master Mix:

598.5 µL Reaction Mix (# samples X 10.5 µL reaction mix)
28.5 µL Taq Gold DNA Polymerase (# samples X 0.5 µL Taq)
313.5 µL Primer Set (# samples X 5.5 µL)

Thermocycler 2400

Front

	2426	2427A	2427B	2428	2429	2430	2431	2432	2433	2434	2435
	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	
	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	
	2476	2477	2478	2479	2480	2481					
	2456	2457	2458 (CW)	2459	2460	2461	2462	2463	2464	2465	
	2466	2467 (9947A)	2468 (4 Amp)	2469	2470	2471	2472	2473	2474	2475	

Thermocycler 9700

Front

**AMPLIFICATION AND
SAMPLE WELL POSITION WORKSHEET**

Date of amplification: 21 July 03

Crime Lab #(s):

Analyst: Cuw

030004T	0303339
0203115	0303340
0306033	0305330
0305804	0305136
0305806	

Profiler Plus: ✓COfiler: ✓

PP CO

Master Mix:

84.0 294.0 µL Reaction Mix (# samples X 10.5 µL reaction mix)1.0 4.0 µL Taq Gold DNA Polymerase (# samples X 0.5 µL Taq)44 154.0 µL Primer Set (# samples X 5.5 µL)

Thermocycler 2400

Front

	2451R PP	2452R PP	2482 PP	2483 PP	2484 PP	2485 PP		2486 PP 9947A	2487 PP 0Amp		
	2382 CO		2426 CO	2427A CO	2427B CO	2428 CO	2429 CO		2430	2431	2432
	2436 CO	2449 CO	2451 CO	2452 CO	2456 CO	2457 CO	2458 CO	2462 CO	2461 CO	2469 CO	2471 CO
	2463 CO	2464 CO	2465 CO	2466 CO		(9947A) 2467 CO	0Amp 2468 CO		2479 CO	2481 CO	

Thermocycler 9700

Front

REAGENT LOG

Analyst: CW
 Date: July 03

Crime Lab Case #: 0303340

Reagent	Lot # / Exp date
Extraction Buffer	042303clp
TE ⁻⁴	123002clp
4M DTT	071902cvw
Proteinase K	061003clp/0304
Phenol:Chloroform:Isoamyl	1148557
QuantiBlot kit	E01526 / 022904
Hydrogen peroxide	022925
Chromogen	D01378 / 033104
Biodyne B	100141
Profiler Plus kit	0211060 / 112203
COfiler kit	0211043 / 112003
GS 500 Rox	36095711131
Formamide	0212196
310 Buffer	0111125
POP-4	0303098 / 082803
310 Capillary	MCV04A
Dye Primer Matrix Standard	0302054

Statistics Report

Database: f:\Popstats\Popdata\FBI\STR

Case Type: Forensic Single Sample

Specimen ID: 0303340-19.1T1 & 0303339-14.1

DNA Analyst: cwinkle

Date: July 23, 2003

Page: 1

Probe	Allele	Allele +/-			Allele Frequency	
		Minimum	Maximum	CAU	BLK	SEH
D3S1358	16			2.3150E-01	3.0710E-01	2.4610E-01
D3S1358	17			2.1180E-01	2.0000E-01	1.6230E-01
vWA	16			2.0150E-01	2.6940E-01	2.6880E-01
vWA	18			2.2190E-01	1.3610E-01	1.8750E-01
FGA	18			3.0600E-02	1.3900E-02	1.3100E-02
FGA	21.2			1.2800E-02	1.3900E-02	1.3100E-02
D8S1179	14			2.0150E-01	2.0330E-01	2.1200E-01
D21S11	28			1.6580E-01	2.1510E-01	1.2570E-01
D21S11	30			2.3210E-01	1.7880E-01	2.3820E-01
D18S51	14			1.7350E-01	6.3900E-02	1.3090E-01
D18S51	15			1.2760E-01	1.6670E-01	1.9110E-01
D5S818	11			4.1030E-01	2.6110E-01	3.9380E-01
D5S818	12			3.5390E-01	3.5560E-01	3.1670E-01
D13S317	12			3.0870E-01	4.8320E-01	2.2920E-01
D13S317	13			1.0970E-01	1.2570E-01	1.0830E-01
D7S820	10			2.9060E-01	3.2380E-01	2.6670E-01
D7S820	11			2.0200E-01	2.2380E-01	2.2710E-01
CSF1PO	10			2.5370E-01	2.7140E-01	2.5420E-01
TPOX	8			5.4430E-01	3.6840E-01	5.0630E-01
TH01	6			2.2660E-01	1.0950E-01	2.1250E-01
TH01	9.3			3.0540E-01	1.0480E-01	2.3540E-01
D16S539	11			2.7230E-01	2.9430E-01	2.8130E-01
D16S539	12			3.3910E-01	1.8660E-01	2.5420E-01

SWH

2.6560E-01
 1.2680E-01
 3.5960E-01
 1.9460E-01
 1.2300E-02
 1.2300E-02
 2.4630E-01
 6.9000E-02
 3.3010E-01
 1.7000E-01
 1.3790E-01
 4.2120E-01
 2.9060E-01
 2.1680E-01
 1.3790E-01
 3.0620E-01
 2.8950E-01
 2.5360E-01
 5.5500E-01
 2.3210E-01

Database: f:\Popstats\Popdata\FBI\STR
Case Type: Forensic Single Sample
Specimen ID: 0303340-19.1T1 & 0303339-1A.1
DNA Analyst: cvwinkle
Date: July 23, 2003
Page: 2

2.4160E-01
3.1490E-01
2.8610E-01

NRC 96 Formula used

Statistics Report

CAU frequency = 1 in 866,600,000,000,000
BLK frequency = 1 in 17,980,000,000,000,000
SEH frequency = 1 in 7,013,000,000,000,000
SWH frequency = 1 in 2,435,000,000,000,000

BIOLOGY TECHNICAL PEER REVIEW

Date of Completion: 8 Sept 03 Crime Lab #: 030334U

Primary Analyst: Cew Reviewer: CLW

	YES	NO*	N/A	REPORT
1.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Have the requested examinations been addressed?
2.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are the results clearly communicated?
3.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ADMINISTRATIVE REVIEW
4.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Is the report correct editorially and typographically? Is the general format of the report consistent with laboratory policy?
5.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SUPPORTING DOCUMENTATION
6.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Is the evidence adequately described?
7.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are the case number and analyst's initials on all pages?
8.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Does the documentation support the examinations conducted?
9.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Is the chain of custody current and properly documented?
10.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	RESULTS and CONCLUSIONS
11.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Were standards and/or controls used and adequately documented?
12.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Do the tests performed conform to accepted techniques?
				Were conclusions fully supported by the data?
				Are conclusions reasonable and acceptable by peers within this discipline?

*Comments Required:

All data pertaining to this laboratory report was reviewed and the interpretation of this data was agreed upon.

Signature of technical peer reviewer: Constance Lutton Date: 9-9-03

STR TECHNICAL PEER REVIEW

Date of Completion: 23 July 03 Crime Lab #: 0303339 / 0303340

Primary Analyst: Caw Reviewer: CHP

	YES	NO*	N/A	STR DATA ANALYSIS REVIEW
1.	<input checked="" type="checkbox"/>	—	—	Have the GeneScan data been re-analyzed including the GS-500 ROX range and 250 peak?
2.	<input checked="" type="checkbox"/>	—	—	Have the GenoTyper data been re-analyzed?
3.	<input checked="" type="checkbox"/>	—	—	Has the typing obtained from the positive control been confirmed?
4.	<input checked="" type="checkbox"/>	—	—	Have the results from the negative controls been confirmed?
SUPPORTING DOCUMENTATION				
5.	<input checked="" type="checkbox"/>	—	—	Are the case number and analyst's initials on all pages?
6.	<input checked="" type="checkbox"/>	—	—	Are all worksheets and the reagent logs present and complete?
7.	<input checked="" type="checkbox"/>	—	—	Are the GeneScan and GenoTyper data sheets present?
8.	<input checked="" type="checkbox"/>	—	—	Has the data transcription been reviewed from the STR results table and the CODIS specimen entry forms if applicable?
RESULTS and CONCLUSIONS				
9.	<input checked="" type="checkbox"/>	—	—	Were conclusions fully supported by the data?
10.	<input checked="" type="checkbox"/>	—	—	When offered, was the frequency data fully supported by the data?
DISPOSITION				
11.	<input checked="" type="checkbox"/>	—	—	Was the disposition of the evidence/stain included?

*Comments Required: _____

All data pertaining to this laboratory report was reviewed and the interpretation of this data was agreed upon.

Signature of technical peer reviewer: Constance Dalton Date: 7-29-03

STR TYPING RESULTS

Crime Lab #s:

0303340

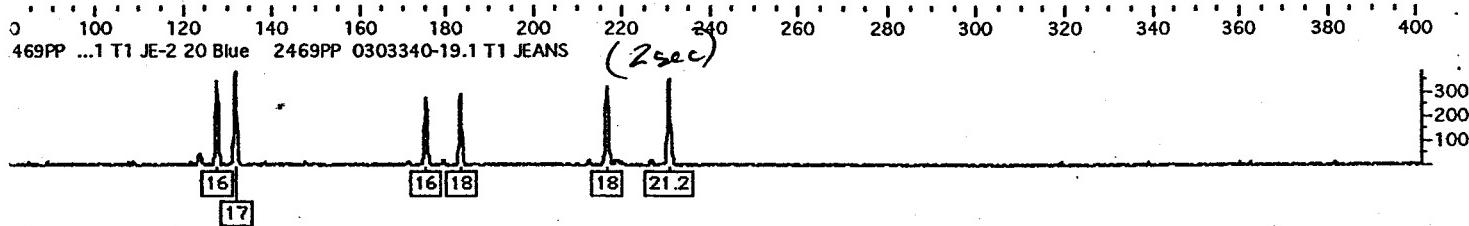
Cuu

17918 July 03

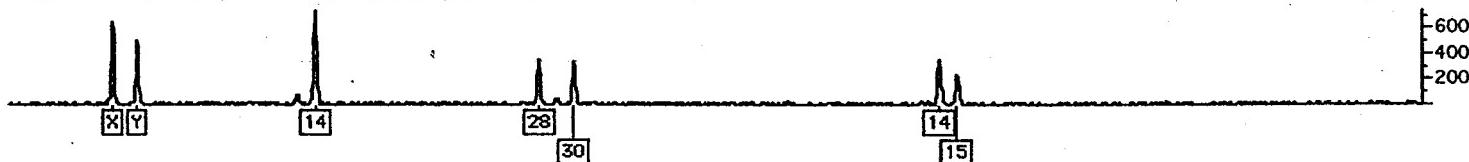
Profiler Plus Alleles Detected:



Tube & Sample Name	Module	Inj. Secs	Inj. KV	Run KV	Run °C	Run Time
C9 - PP LADDER	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
C9 - PP LADDER	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
A1 - 2426PP 0203115-48 GLASS	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
A3 - 2427A PP 0306033-1.1 T1 MASK	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
A5 - 2427B PP 0306033 1.2 T1 MASK	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
C5 - 2467PP 9947A - failed inj -	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
C5 - 2467PP 9947A	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
C7 - 2468PP NEG AMP CONT splice	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
A7 - 2428PP 0305804-1.1 PAPER	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
A9 - 2429PP 0305806-1 SWAB	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
11 - 2430PP ORG Q EXT CONT	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
C9 - PP LADDER	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
B2 - 2431PP CLX Q EXT CONT	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
B4 - 2432PP K EXT CONT	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
B6 - 2433PP 010679T-26 S HALL	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
B8 - 2434PP 011866T-KI #7 BABY DOE	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
B10 - 2435PP 011866T-K2 #8 F WEATHERR	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
B12 - 2469PP 0303340-19.1 T1 JEANS(failed inj)	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
C9 - PP LADDER	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
B12 - 2469PP 0303340-19.1 T1 JEANS	GS STR POP4 (1 mL)	2	15.0	15.0	60	25
C1 - 2470PP 0303340-19.3 T1 TOP	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
C1 - 2470PP 0303340-19.3 T1 TOP	GS STR POP4 (1 mL)	2	15.0	15.0	60	25
C3 - 2471PP 0303340-16 P MAGOUIRK	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
C5 - 2467PP 9947A	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
C7 - 2468PP NEG AMP CONT	GS STR POP4 (1 mL)	5	15.0	15.0	60	25
C9 - PP LADDER	GS STR POP4 (1 mL)	5	15.0	15.0	60	25



2469PP ...1 T1 JE-2 20 Green 2469PP 0303340-19.1 T1 JEANS



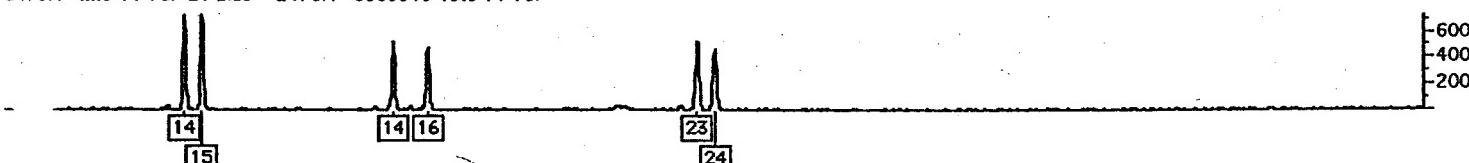
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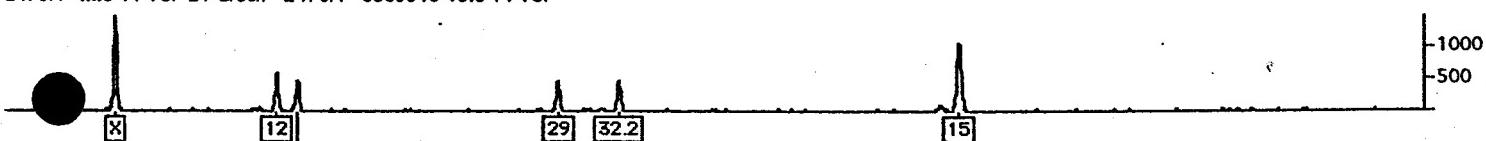
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2470PP3 T1 TOP 21 Blue 2470PP 0303340-19.3 T1 TOP



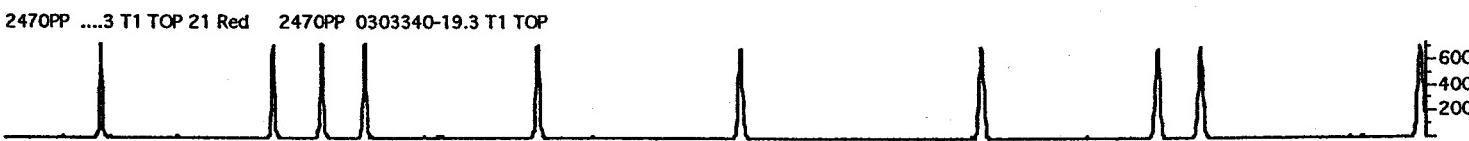
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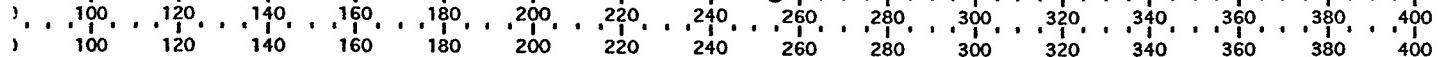


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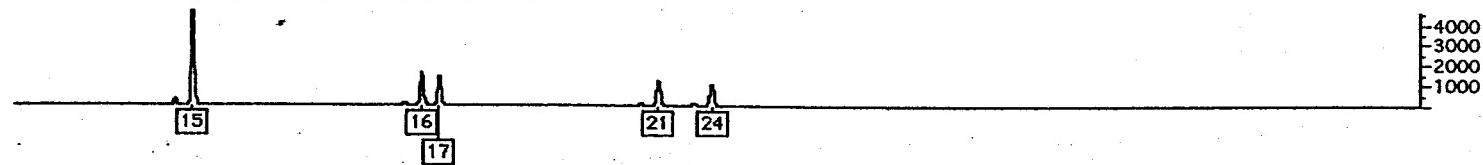


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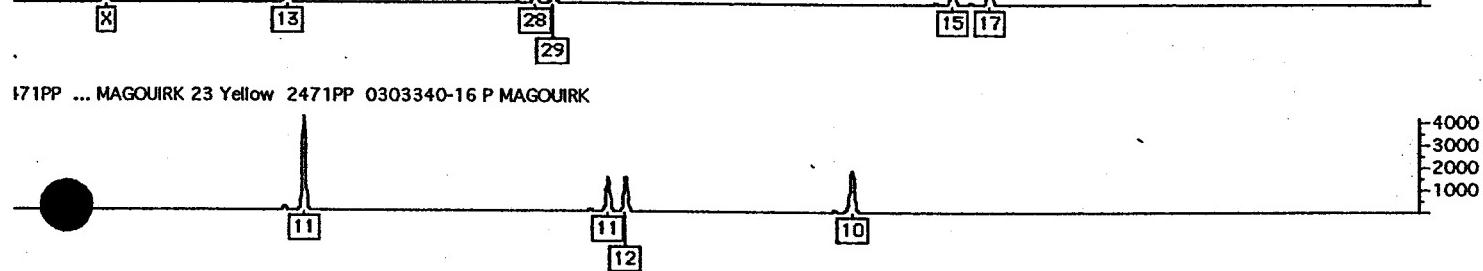




I71PP ... MAGOUIRK 23 Blue 2471PP 0303340-16 P MAGOUIRK



I71PP ... MAGOUIRK 23 Green 2471PP 0303340-16 P MAGOUIRK



I71PP ... MAGOUIRK 23 Yellow 2471PP 0303340-16 P MAGOUIRK



100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400
30PP ... EXT CONT 11 Blue 2430PP ORG Q EXT CONT

30PP ... EXT CONT 11 Green 2430PP ORG Q EXT CONT

30PP ... EXT CONT 11 Yellow 2430PP ORG Q EXT CONT

30PP ... EXT CONT 11 Red 2430PP ORG Q EXT CONT

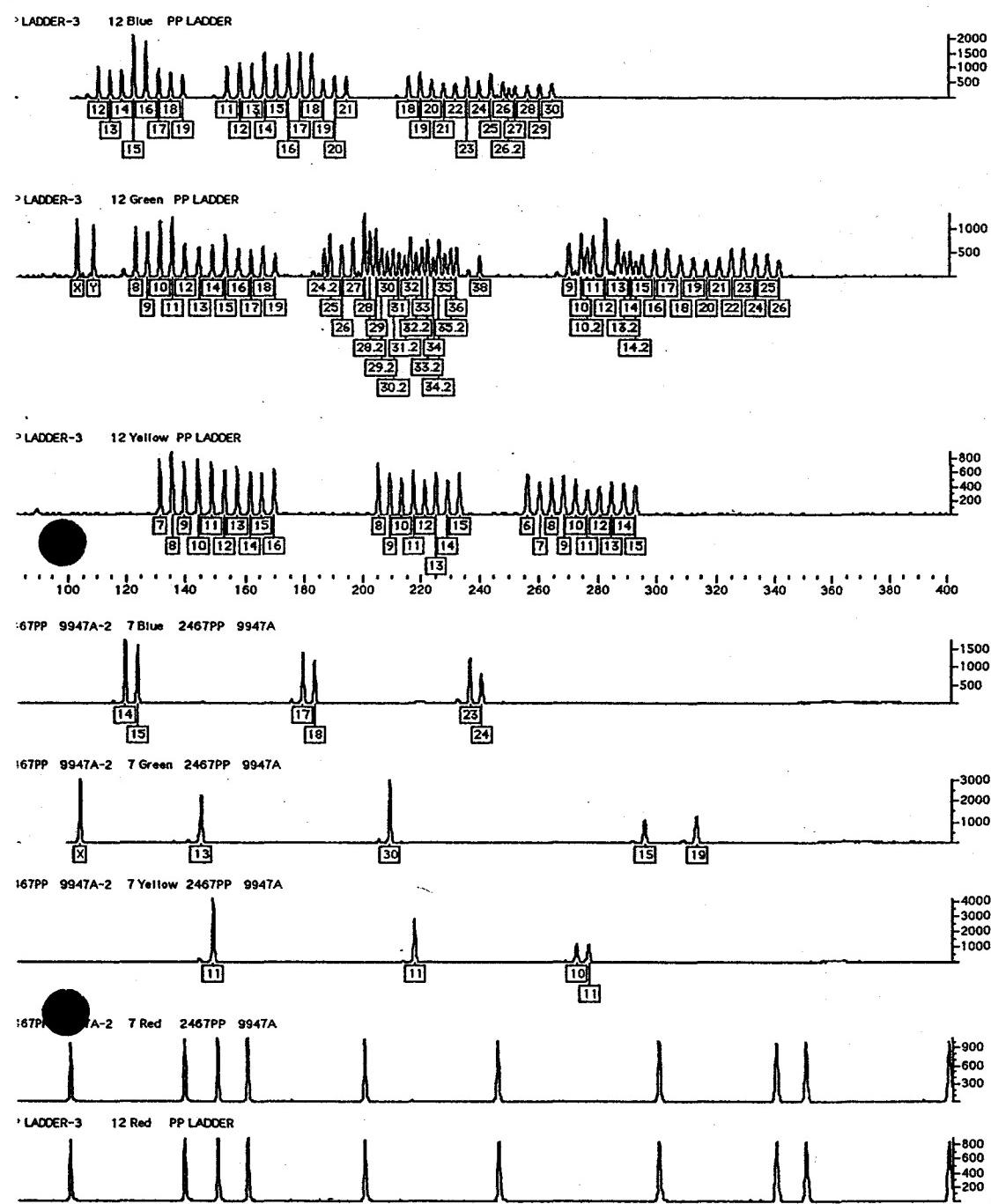
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32PP K EXT CONT 14 Green 2432PP K EXT CONT

No Size Data

K EXT CONT 14 Yellow 2432PP K EXT CONT

32PP K EXT CONT 14 Red 2432PP K EXT CONT



No Size Data

168PP MR CONT-2 25 Green 2468PP NEG AMP CONT

No Size Data

168PP - MP CONT-2 25 Yellow 2468PP NEG AMP CONT

No Size Data

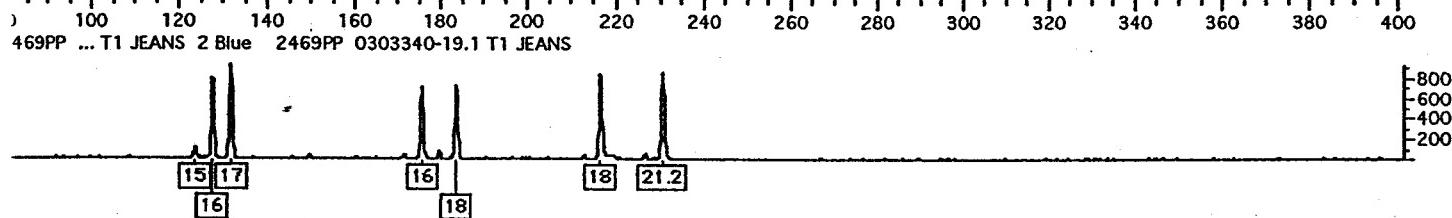
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340

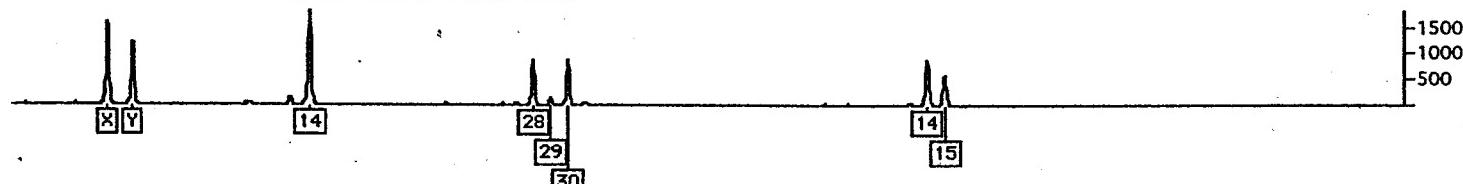


(3033)
CWW

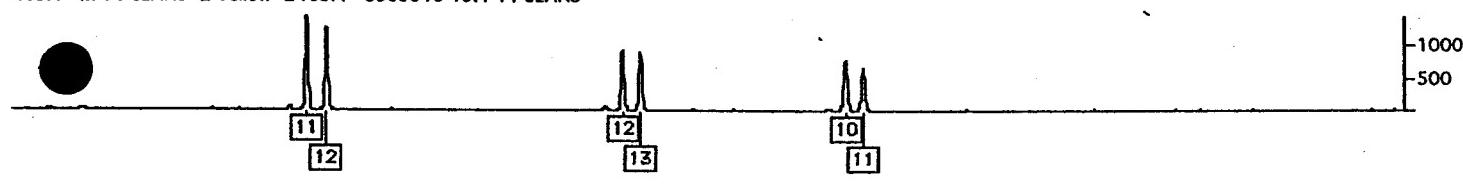
Tube & Sample Name	Module	Inj. Secs	Inj. KV	Run KV	Run C	Run Time	Matrix file	Auto Anlz
PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
A1 - 2469PP 0303340-19.1 T1 JEANS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
A3 - 2436PP 0303339-19.1 SHORTS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
A5 - 2437PP 0303339-19.2 T2 SHORTS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
A7 - 2438PP 0303339-19.2 T SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
A9 - 2439PP 0303339-22.7 DRAWER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
A11 - 2440PP 0303339-22.8 GARAGE	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B2 - 2441PP 0303339-24.1 DISHWASHER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B4 - 2442PP 0303339-25.8 STEER WHEEL	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B6 - 2443PP 0303339-25.19 SEAT BELT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
H10 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F10 - 2467PP 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F12 - 2468PP NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B8 - 2444PP 0303339-32 KNIFE BLADE	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B10 - 2445PP 0303339-33 17A TILE	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
B12 - 2446PP 0303339-27T1 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
C1 - 2447PP 0303339-27T2 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
C3 - 2448PP 0303339-27T3 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
C5 - 2449PP 030339-27T4 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
C7 - 2450PP 0303339-27T5 SHIRT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
C9 - 2451PP 0303339-30T1 JEAN POCKET	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
C11 - 2452PP 0303339-30T2 JEAN POCKET	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
H10 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
D2 - 2453PP 0303339-30T3 JEANS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
D4 - 2454PP 0303339-30T4 JEANS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
D6 - 2455PP 0303339-30T6 JEANS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
2467PP 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
D8 - 2456PP -3-3339-20 PAT SYREN	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
D10 - 2457PP 0303339-21 B CRUTSINGER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
D12 - 2430PP ORG Q EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
E1 - 2431PP CLX EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
E3 - 2432PP K EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
E5 - 2459PP 0305330-1.1 EC VAG	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
H1 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
E7 - 2460PP 0305330-1.1 SP VAG	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
E9 - 2461PP 0305330-1.4 A FREEMAN	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
E11 - 2462PP 0305330-8 J SIMS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F2 - 2463PP 0305136-7 EC SHORTS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F4 - 2464PP 0305136-7 SP SHORTS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F6 - 2465PP 0305136-8.9 E BAXLEY	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F8 - 2466PP 0305136-9 A TIGNOR	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F10 - 2467PP 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
F12 - 2468PP NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
H10 - PP LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
H4 - 2479PP EC1 EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off
H8 - 2481PP SP EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25		Off



469PP ... T1 JEANS 2 Green 2469PP 0303340-19.1 T1 JEANS



469PP ... T1 JEANS 2 Yellow 2469PP 0303340-19.1 T1 JEANS



469PP ... T1 JEANS 2 Red 2469PP 0303340-19.1 T1 JEANS



430PP ... EXT CONT 30 Blue 2430PP ORG Q EXT CONT

No Size Data

430PP ... EXT CONT 30 Green 2430PP ORG Q EXT CONT

No Size Data

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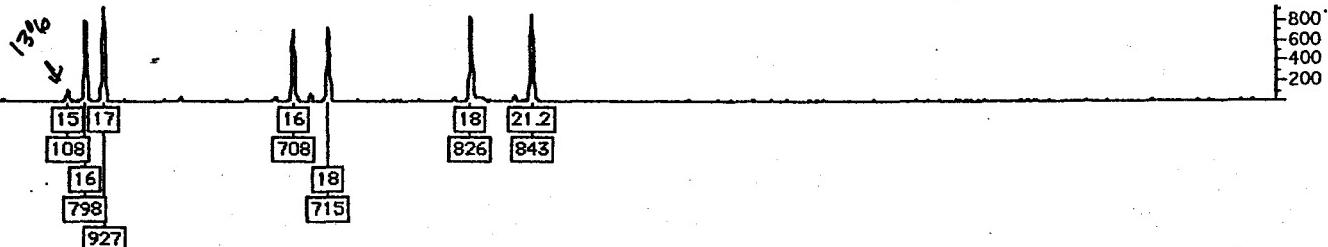
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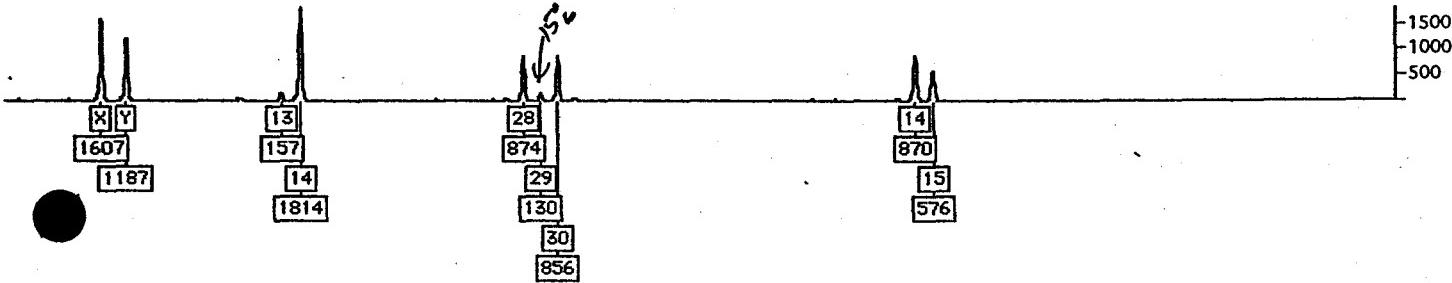


0303340 PP
0303340-19.1 T1 JEANS

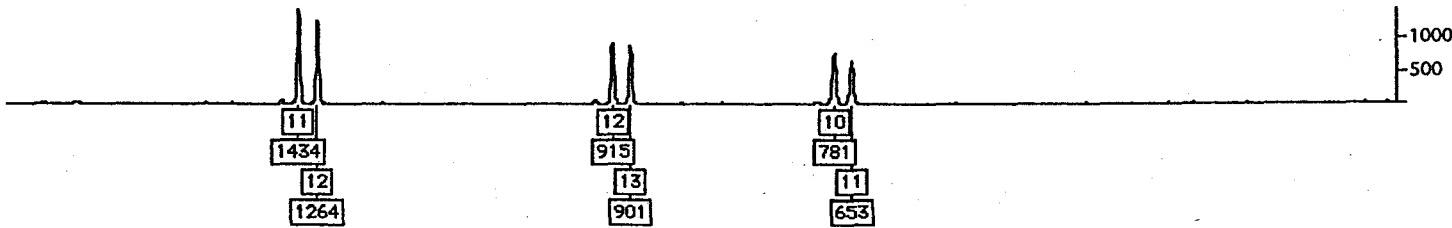
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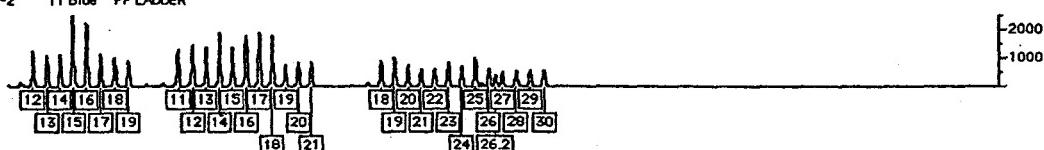
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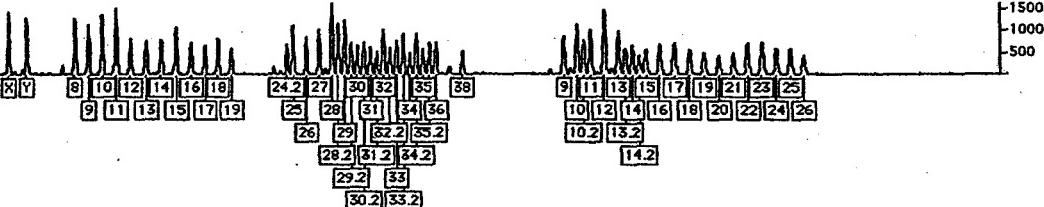
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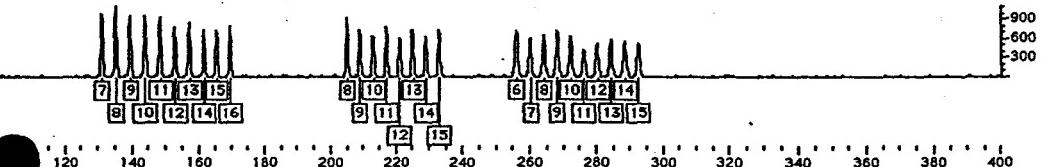
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LADDER-2 11 Green PP LADDER



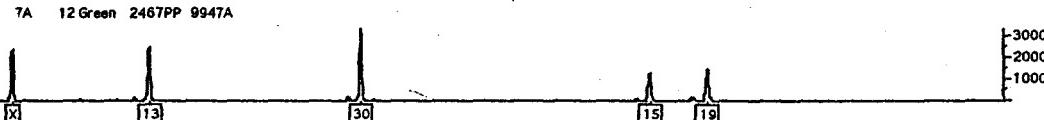
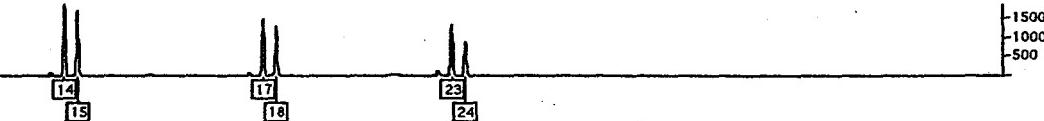
ADDER-2 11 Yellow PP LADDER



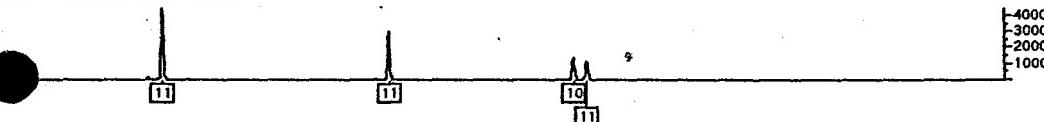
ADDER-2 11 Red PP LADDER



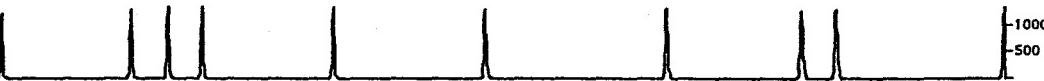
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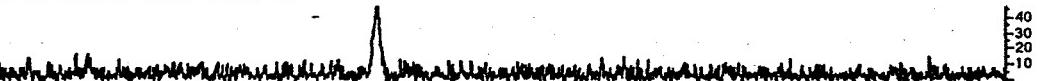
PP 9947A 12 Yellow 2467PP 9947A



PP 9947A 12 Red 2467PP 9947A



PP ... AMP CONT 13 Blue 2468PP NEG AMP CONT



PP ... AMP CONT 13 Green 2468PP NEG AMP CONT



PP ... AMP CONT 13 Yellow 2468PP NEG AMP CONT



PP ... AMP CONT 13 Red 2468PP NEG AMP CONT



e #0303340

Case Sensitivity: Routine High Profile

Case Type: Jurisdiction

County Name: Tarrant

Created Date: 04/09/2003 04:10

Created By: Curtis Clary

Status: Laboratory Service

Agency: Fort Worth PD

Service #: 03038339

Agent:

Deceased Name: pearl maqovirk

Date/Time
of Death: 04/08/2003 18:37

Race, Sex,
Age: CF89

Investigator: Curtis Clary

Medical Examiner: Nizam Peerwani

Autopsy Date/Time: 04/09/2003 13:30

Tox Work
Number:

Next-of-Kin Notification

Release Body: Yes

Show Inactive Items

Associate Item

Add Money

Add Item

Exhibit #	Tracking #	Hold	E/P	Biohazard?	Submitting Agency	Submitted By	Current Custody	Date Added
1	<u>030409002</u>	N	B	N	<u>NRST</u>	<u>Donnie Short</u>	<u>Robert Kincade Jr</u>	04/14/2003 11:42
Description:								
	Disposition: Released					Quantity: 1	UOM: Body	Add Sub-Item
2	<u>030409005</u>	N	P	N	<u>Forensic Death Investigation</u>	<u>Curtis Clary</u>	<u>April Syren</u>	05/22/2003 16:16
Description: watch, yellow and white metal, stretch band, blue face								
	Disposition: Investigator Property Room					Quantity: 1	UOM: Item	Add Sub-Item
3	<u>030410032</u>	N	E	N	<u>Fort Worth P.D.</u>	<u>Deceased Body</u>	<u>LAURA MARTINEZ</u>	06/02/2003 13:54
Description: One sealed manila envelop containing trace materials from face.								
	Disposition: In Lab					Quantity: 1	UOM: Envelop	Add Sub-Item
	<u>030410033</u>	N	E	N	<u>Fort Worth P.D.</u>	<u>Deceased Body</u>	<u>LAURA MARTINEZ</u>	06/02/2003 13:54
Description: One sealed manila envelop containing trace materials recovered from right hand.								
	Disposition: In Lab					Quantity: 1	UOM: Envelop	Add Sub-Item
5	<u>030410034</u>	N	E	N	<u>Fort Worth P.D.</u>	<u>Deceased Body</u>	<u>LAURA MARTINEZ</u>	06/02/2003 13:54
Description: One sealed manila envelop containing trace materials recovered from left hand.								
	Disposition: In Lab					Quantity: 1	UOM: Envelop	Add Sub-Item
6	<u>030410035</u>	N	E	N	<u>Fort Worth P.D.</u>	<u>Deceased Body</u>	<u>LAURA MARTINEZ</u>	06/02/2003 13:54
Description: One sealed manila envelop containing trace materials recovered from left shoe.								
	Disposition: In Lab					Quantity: 1	UOM: Envelop	Add Sub-Item
7	<u>030410036</u>	N	E	N	<u>Fort Worth P.D.</u>	<u>Deceased Body</u>	<u>LAURA MARTINEZ</u>	06/02/2003 13:54
Description: One sealed manila envelop containing trace materials recovered from shirt.								
	Disposition: In Lab					Quantity: 1	UOM: Envelop	Add Sub-Item
	<u>030410037</u>	N	E	N	<u>Fort Worth P.D.</u>	<u>Deceased Body</u>	<u>LAURA MARTINEZ</u>	06/02/2003 13:54
Description: One sealed manila envelop containing trace materials from jeans and body sheet.								
	Disposition: In Lab					Quantity: 1	UOM: Envelop	Add Sub-Item
9	<u>030410038</u>	N	E	N	<u>Fort Worth P.D.</u>	<u>Deceased Body</u>	<u>LAURA MARTINEZ</u>	06/02/2003 13:54

10	Case 4:07-cv-00703-Y Document 879 Filed 11/03/17 Page 155 of 196 PageID 510154	030410039	N	Fort Worth P.D.	Deceased Body	LAURA MARTINEZ	06/02/2003 13:54	030333 C
Description: One sealed manila envelop containing fingernail cuttings from left hand.								
	Disposition: In Lab				Quantity: 1	UOM: Envelop	Add Sub-Item	
	<u>030410040</u>	N	E	N	Fort Worth P.D.	Deceased Body	LAURA MARTINEZ	06/02/2003 13:54
Description: One sealed manila envelop containing paper type tissues recovered from the left side of the body.								
	Disposition: In Lab				Quantity: 1	UOM: Envelop	Add Sub-Item	
12	<u>030410041</u>	N	E	N	Fort Worth P.D.	Deceased Body	LAURA MARTINEZ	06/02/2003 13:54
Description: One sealed manila envelop containing paper type tissue recovered from right side of body.								
	Disposition: In Lab				Quantity: 1	UOM: Envelop	Add Sub-Item	
13	<u>030411059</u>	N	E	N	Medical Examiners	Nizam Peerwani	Joyce Ho	04/14/2003 08:09
Description: Blood - Pericardium								
	Disposition: Morgue				Quantity: 30	UOM: Milliliters	Add Sub-Item	
14	<u>030411060</u>	N	E	N	Medical Examiners	Nizam Peerwani	Joyce Ho	04/14/2003 08:09
Description: Blood - Femoral								
	Disposition: Morgue				Quantity: 2	UOM: Milliliters	Add Sub-Item	
15	<u>030411061</u>	N	E	N	Medical Examiners	Nizam Peerwani	Morgue Temporary Storage	04/09/2003 15:30
Description: Fingerprints & Palmprints								
	Disposition: Morgue				Quantity: 1	UOM: Envelop	Add Sub-Item	
16	<u>030411062</u>	N	E	N	Medical Examiners	Nizam Peerwani	Morgue Temporary Storage	04/09/2003 15:30
Description: Blood Card								
	Disposition: Morgue				Quantity: 1	UOM: Envelop	Add Sub-Item	
17	<u>030411063</u>	N	E	N	Medical Examiners	Nizam Peerwani	Morgue Temporary Storage	04/09/2003 15:30
Description: Tissues in Formalin								
	Disposition: Morgue				Quantity: 1	UOM: Plastic Bag	Add Sub-Item	
	<u>030411064</u>	N	E	N	Medical Examiners	Nizam Peerwani	Elizabeth Van-Munchratz	04/14/2003 13:38
Description: Criminalistic Evidence								
	Disposition: Morgue				Quantity: 10	UOM: Envelop	Add Sub-Item	
18.1	<u>030411073</u>	N	E	Y	Medical Examiners	Nizam Peerwani	Elizabeth Van-Munchratz	04/14/2003 13:38
Description: Vaginal Smear								
	Disposition: Morgue				Quantity: 1	UOM: Envelop	Add Sub-Item	
18.2	<u>030411074</u>	N	E	Y	Medical Examiners	Nizam Peerwani	Elizabeth Van-Munchratz	04/14/2003 13:38
Description: Oral Smear								
	Disposition: Morgue				Quantity: 1	UOM: Envelop	Add Sub-Item	
18.3	<u>030411075</u>	N	E	Y	Medical Examiners	Nizam Peerwani	Elizabeth Van-Munchratz	04/14/2003 13:38
Description: Anal Smear								
	Disposition: Morgue				Quantity: 1	UOM: Envelop	Add Sub-Item	
8.4	<u>030411076</u>	N	E	Y	Medical Examiners	Nizam Peerwani	Elizabeth Van-Munchratz	04/14/2003 13:38
Description: Vaginal Swabs								
	Disposition: Morgue				Quantity: 6	UOM: Envelop	Add Sub-Item	
18.5	<u>030411077</u>	N	E	Y	Medical Examiners	Nizam Peerwani	Elizabeth Van-Munchratz	04/14/2003 13:38

18.6	Case# 4.07-CV-00703-YE Document 875 Filed 11/03/17 Page 156 of 196 PageID 5102	Medical Examiner	Nizam Peerwani	Elizabeth van-Munchrat	04/14/2003
<i>030411078</i> Description: Anal Swabs					
?	Disposition: Morgue		Quantity: 4	UOM: Envelop	Add Sub-Item
030411079 N E Y Medical Examiners Nizam Peerwani Elizabeth Van-Munchrat 04/14/2003 13:38					
<i>030411079</i> Description: Per-anal Swabs					
18.8	Disposition: Morgue		Quantity: 2	UOM: Envelop	Add Sub-Item
030411080 N E Y Medical Examiners Nizam Peerwani Elizabeth Van-Munchrat 04/14/2003 13:38					
<i>030411080</i> Description: Pulled Scalp Hair					
18.9	Disposition: Morgue		Quantity: 1	UOM: Envelop	Add Sub-Item
030411081 N E Y Medical Examiners Nizam Peerwani Elizabeth Van-Munchrat 04/14/2003 13:38					
<i>030411081</i> Description: Combed Pubic Hair					
18.10	Disposition: Morgue		Quantity: 1	UOM: Envelop	Add Sub-Item
030411082 N E Y Medical Examiners Nizam Peerwani Elizabeth Van-Munchrat 04/14/2003 13:38					
<i>030411082</i> Description: Pulled Scalp Hair <i>Pubic hair</i>					
19	Disposition: Morgue		Quantity: 1	UOM: Envelop	Add Sub-Item
030411065 N E N Medical Examiners Nizam Peerwani Morgue Temporary Storage 04/09/2003 15:30					
<i>030411065</i> Description: Clothing					
19.1	Disposition: Morgue		Quantity: 7	UOM: Envelop	Add Sub-Item
030411066 Y E Y Medical Examiners Nizam Peerwani Carolyn Van Winkle 06/26/2003 14:28					
<i>030411066</i> Description: Blue Jeans					
19.2	Disposition: Morgue		Quantity: 1	UOM: Envelop	Add Sub-Item
030411067 Y E Y Medical Examiners Nizam Peerwani Morgue Temporary Storage 04/11/2003 15:30					
<i>030411067</i> Description: White bloody bra					
19.3	Disposition: Morgue		Quantity: 1	UOM: paper bag	Add Sub-Item
030411068 Y E Y Medical Examiners Nizam Peerwani Carolyn Van Winkle 06/26/2003 14:28					
<i>030411068</i> Description: White bloody T-shirt					
19.4	Disposition: Morgue		Quantity: 1	UOM: paper bag	Add Sub-Item
030411069 Y E Y Medical Examiners Nizam Peerwani Morgue Temporary Storage 04/11/2003 15:30					
<i>030411069</i> Description: Tan panties					
19.5	Disposition: Morgue		Quantity: 1	UOM: paper bag	Add Sub-Item
030411070 Y E Y Medical Examiners Nizam Peerwani Morgue Temporary Storage 04/11/2003 15:30					
<i>030411070</i> Description: Pair of Tan Bloody shoes					
19.6	Disposition: Morgue		Quantity: 2	UOM: paper bag	Add Sub-Item
030411071 Y E Y Medical Examiners Nizam Peerwani Morgue Temporary Storage 04/11/2003 15:30					
<i>030411071</i> Description: Left blood stained tennis shoes					
19.7	Disposition: Morgue		Quantity: 1	UOM: paper bag	Add Sub-Item
030411072 Y E Y Medical Examiners Nizam Peerwani Morgue Temporary Storage 04/11/2003 15:30					
<i>030411072</i> Description: Light blue Nighties - bloody					
20	Disposition: Morgue		Quantity: 1	UOM: paper bag	Add Sub-Item
030414051 N E N TCME DR PEERWANI LAURA MARTINEZ 04/14/2003 13:55					

21

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030414052 N TOME DR PERMAN LAURA MARTINEZ 04/14/2003
030334 CME

Description: BLOOD-EDTA

Disposition: Morgue

Quantity: 1

UOM: Container

Add Sub-Item

CASE CONVERSATION LOG

CL# 030 3357

Employee Initials: CW
Conversation with: Michele Hartmann
Affiliation: TCD A
Call Initiated by: MH
Date: 15 July 03
Time: -
 Telephone In Person
Phone #: _____

Conversation Re:

- DF expert - Identity
- Requesting photograph of inside pocket
(~~4:30~~)

Employee Initials: (CW)
Conversation with: Michele Hartmann
Affiliation: TCD A.
Call Initiated by: MH → CW → MH → CW
Date: 24 July 03 (xz)
Time: ~1145 & 1230
 Telephone In Person
Phone #: _____

Conversation Re:

- Verbal on DNA results
- requesting report by Aug 4 (Monday)
fax report

Employee Initials: _____
Conversation with: _____
Affiliation: _____
Call Initiated by: _____
Date: _____
Time: _____
 Telephone In Person
Phone #: _____

Conversation Re:

CASE CONVERSATION LOG

CL# 0303339 *vw*Vict *lcretsingers(z)*Employee Initials: CJWDate: 6-18-03Conversation with: Greg MillerTime: 1145Affiliation: TCD A Telephone In PersonCall Initiated by: DAPhone #: 817-1645Conversation Re: Requests DNA on stains - (v)'s clothing (pants)Well have Det McCaskill bring samples.- Request copies of any FWPD lab reports / case notesProsecutors will be Michelle Hartmann & Lisa CallahanDefendant: Bill RayTotal date Aug 18, 2003**OPY**Employee Initials: CWDate: 24 June 03Conversation with: Michelle HartmanTime: 1630Affiliation: TCD A Telephone In PersonCall Initiated by: MH

Phone #:

Conversation Re:

- Will have S. McCaskill bring clothing/suabs
(susps from
dumpster)to examine hereDNA blood
neck area- meet @ 1400 tomorrow- get photos re: drops on victim's clothingEmployee Initials: CWDate: 7 July 03Conversation with: Det McCaskillTime: 1450Affiliation: FWPD Telephone In PersonCall Initiated by: CW

Phone #:

Conversation Re:

- Det will bring tiles 15, 16, 17A & 17B
for examin of blood drops .

STR TECHNICAL PEER REVIEW

Date of Completion: 23 July 03 Crime Lab #: 0303339 / 0303340

Primary Analyst: Cwm Reviewer: CHP

	YES	NO*	N/A	STR DATA ANALYSIS REVIEW
1.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Have the GeneScan data been re-analyzed including the GS-500 ROX range and 250 peak?
2.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Have the GenoTyper data been re-analyzed?
3.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has the typing obtained from the positive control been confirmed?
4.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Have the results from the negative controls been confirmed?
SUPPORTING DOCUMENTATION				
5.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are the case number and analyst's initials on all pages?
6.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are all worksheets and the reagent logs present and complete?
7.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are the GeneScan and GenoTyper data sheets present?
8.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Has the data transcription been reviewed from the STR results table and the CODIS specimen entry forms if applicable?
RESULTS and CONCLUSIONS				
9.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Were conclusions fully supported by the data?
10.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	When offered, was the frequency data fully supported by the data?
DISPOSITION				
11.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Was the disposition of the evidence/stain included?

*Comments Required: _____

All data pertaining to this laboratory report was reviewed and the interpretation of this data was agreed upon.

Signature of technical peer reviewer: Constance Patten Date: 7-29-03

Statistics Report

Database: f:\Popstats\Popdata\FBI\STR

Case Type: Forensic Single Sample

Specimen ID: 0303339 - 22.7

DNA Analyst: cvwinkle

Date: August 13, 2003

Page: 1

Probe	Allele	Allele +/-			Allele Frequency	
		Minimum	Maximum	CAU	BLK	SWH
D3S1358	16			2.3150E-01	3.0710E-01	2.6560E-01
D3S1358	17			2.1180E-01	2.0000E-01	1.2680E-01
vWA	16			2.0150E-01	2.6940E-01	3.5960E-01
vWA	18			2.2190E-01	1.3610E-01	1.9460E-01
FGA	18			3.0600E-02	1.3900E-02	1.2300E-02
FGA	21.2			1.2800E-02	1.3900E-02	1.2300E-02
D8S1179	14			2.0150E-01	3.3330E-01	2.4630E-01
D21S11	28			1.6580E-01	2.1510E-01	6.9000E-02
D21S11	30			2.3210E-01	1.7880E-01	3.3010E-01
D18S51	14			1.7350E-01	6.3900E-02	1.7000E-01
D18S51	15			1.2760E-01	1.6670E-01	1.3790E-01
D5S818	11			4.1030E-01	2.6110E-01	4.2120E-01
D5S818	12			3.5390E-01	3.5560E-01	2.9060E-01
D13S317	12			3.0870E-01	4.8320E-01	2.1680E-01
D13S317	13			1.0970E-01	1.2570E-01	1.3790E-01
D7S820	10			2.9060E-01	3.2380E-01	3.0620E-01
D7S820	11			2.0200E-01	2.2380E-01	2.8950E-01

NRC 96 Formula used

CAU frequency = 1 in 438,200,000,000

BLK frequency = 1 in 473,300,000,000

SWH frequency = 1 in 1,012,000,000,000

STR TYPING RESULTS

Crime Lab #s:

03n3340

Analyst:

LW

Date:

23 July 03

COfiler Alleles Detected:

Sample Information	D3S1358	D16S539	Amel	THO1	TPOX	CSF1PO	D7S820	Comments
2469 19.1T. jeans	16,17	11,12	x	6,9.3	8	10	10,11	
	(15)							
2471 16 P. Magouirk	15	11,12	x	6,8	8,11	12	10	
2430/2432 Ext Cont	-	-	-	-	-	-	-	
2467 9947A	14,15	11,12	x	8,9.3	8	10,12	10,11	
2468 Neg Amp	-	-	-	-	-	-	-	

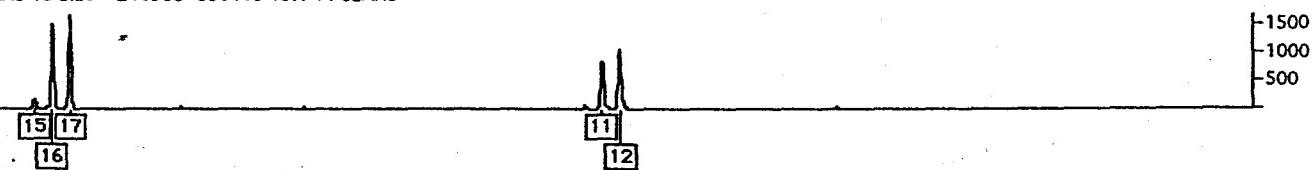
() Possible Stutter

Tube & Sample Name	Module	Inj. Secs	Inj. kV	Run kV	Run C	Run Time
G3 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
G3 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
C7 - 2430CO Q EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
C11 - 2432CO K EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
D10 - 2456CO 0303339-20 PAT SYREN	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
D12 - 2457CO 0303339-21 B CRUTSINGER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
F8 - 2467CO 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
F10 - 2468CO NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E1 - 2460CO 0305330-1.1 VAG SP	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
G3 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
- 2461CO 0305330-1.4 A FREEMAN	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E5 - 2462CO 0305330-8 JAMES SIMS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E7 - 2463CO 0305136-7 EC SHORTS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E9 - 2464CO 0305136-7 SP SHORTS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
F8 - 2467CO 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
E11 - 2465CO 0305136-8.9 E BAXLEY	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
F2 - 2466CO 0305136-9 A TIGNOR	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
33 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
F4 - 2469CO 030440-19.1 T1 JEANS	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
F6 - 2471CO 030440-16 P MAGOURK	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
F8 - 2467CO 9947A	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
F10 - 2468CO NEG AMP CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
12 - 2479CO EC EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
G1 - 2481CO SP EXT CONT	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25
G3 - CO LADDER	GS STR POP4 (1 mL) F	5	15.0	15.0	60	25

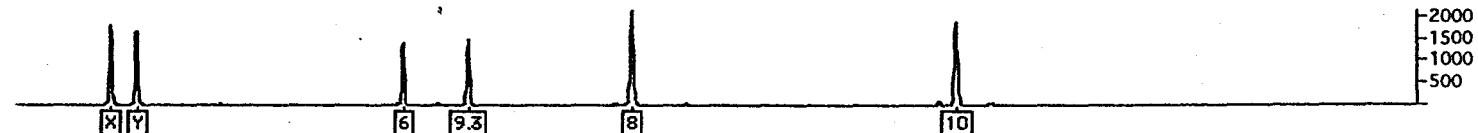
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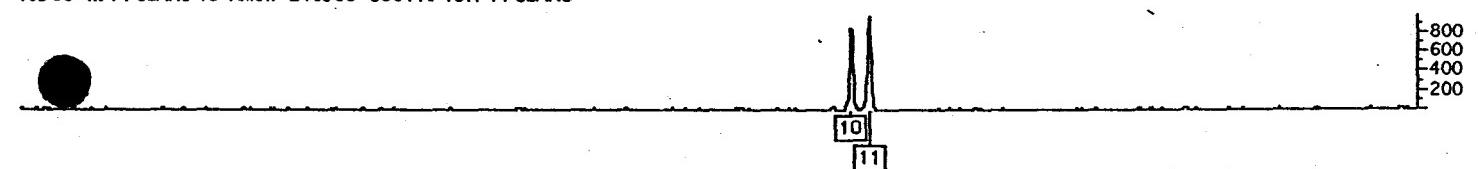
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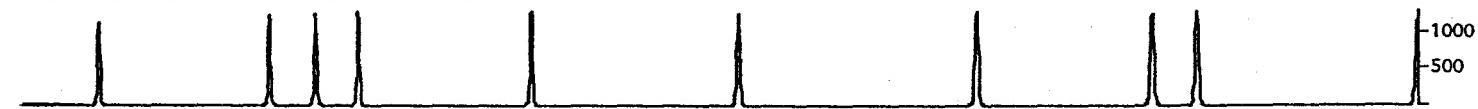
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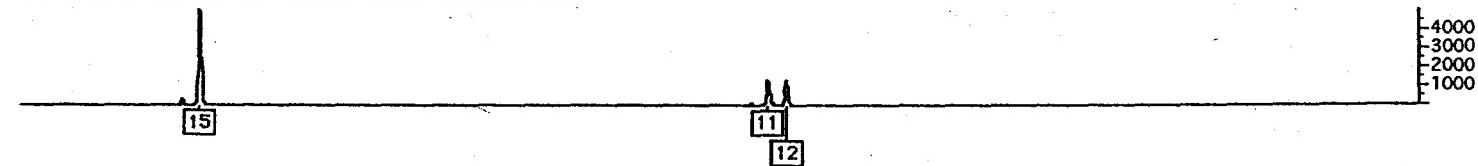
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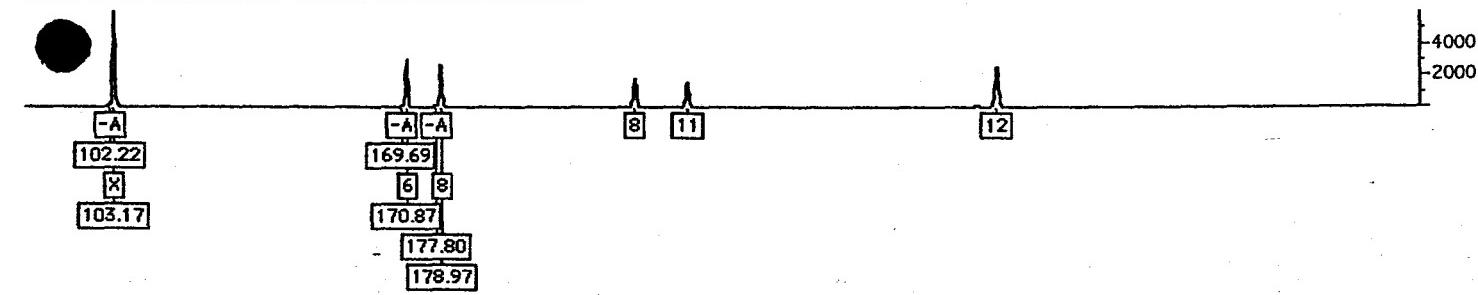
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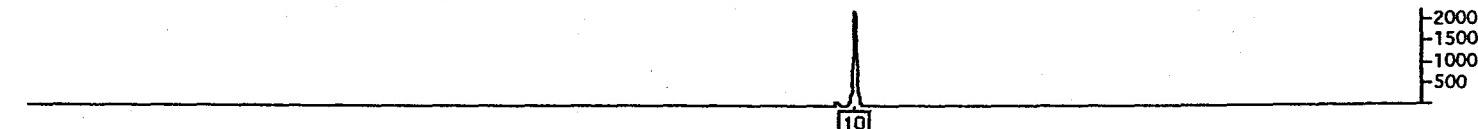
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2471CO ... MAGOURK 20 Green 2471CO 030440-16 P MAGOURK

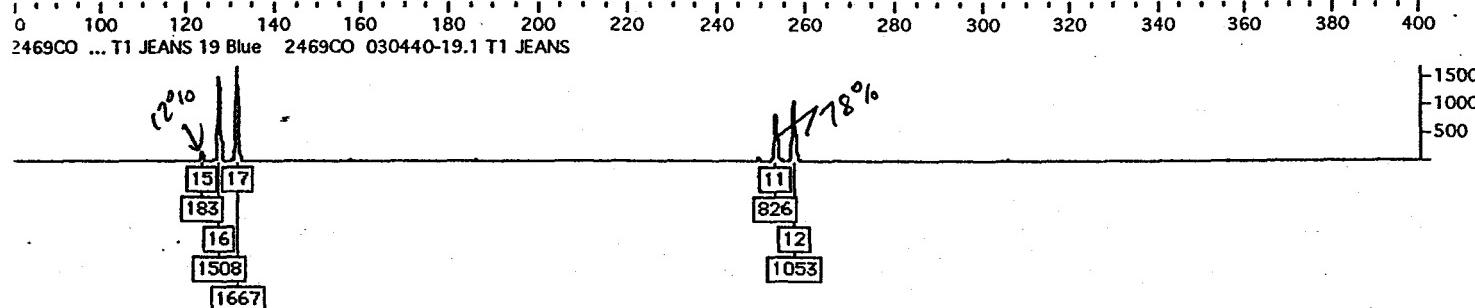


171CO ... MAGOURK 20 Yellow 2471CO 030440-16 P MAGOURK

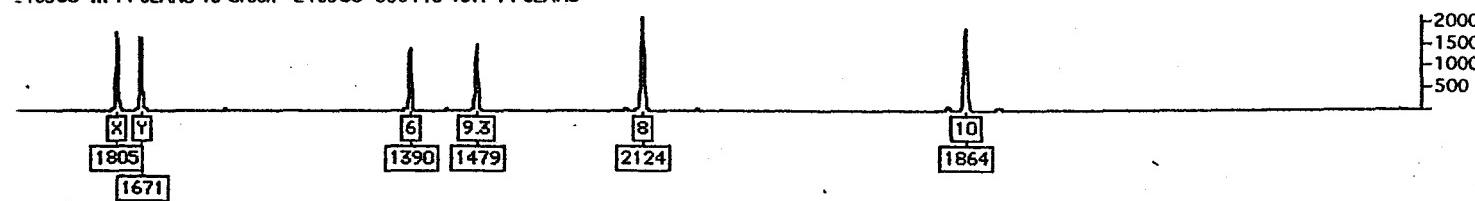


71CO MAGQUIRK 20 Bed 2471CO 030440-16 P MAGQUIRK

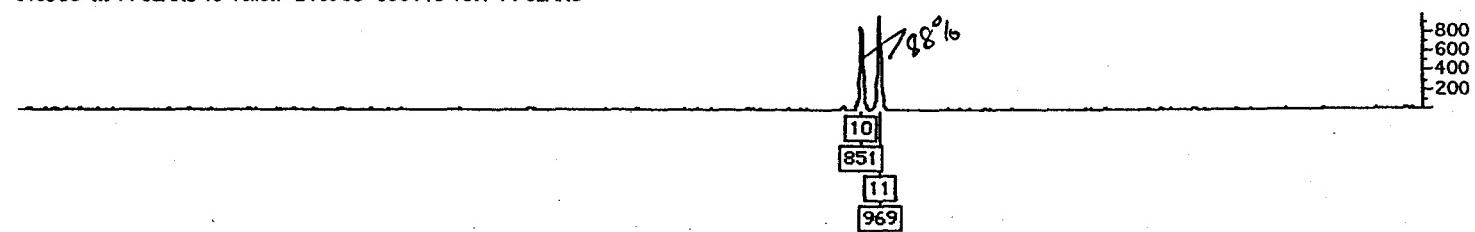


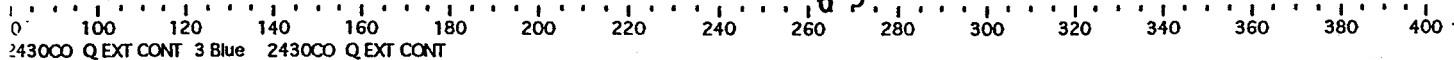


2469CO ... T1 JEANS 19 Green 2469CO 030440-19.1 T1 JEANS



2469CO ... T1 JEANS 19 Yellow 2469CO 030440-19.1 T1 JEANS





No Size Data

2430CO Q EXT CONT 3 Green 2430CO Q EXT CONT

No Size Data

2430CO Q EXT CONT 3 Yellow 2430CO Q EXT CONT



2430CO Q EXT CONT 3 Red 2430CO Q EXT CONT



2432CO K EXT CONT 4 Blue 2432CO K EXT CONT

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2432CO K EXT CONT 4 Green 2432CO K EXT CONT

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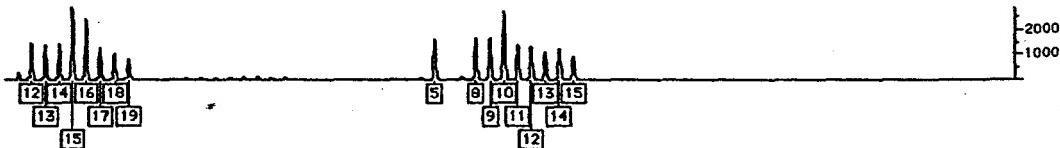
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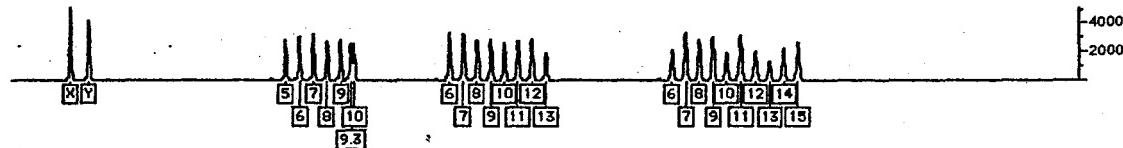
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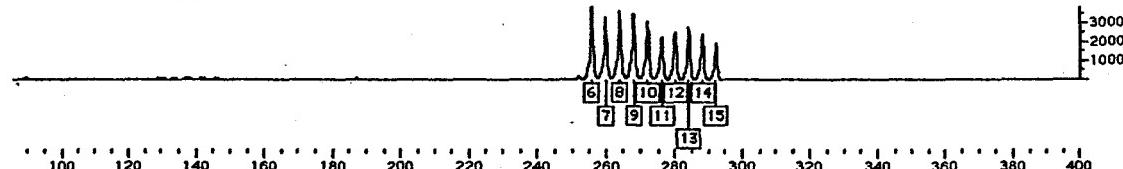
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LADDER-4 18 Green CO LADDER



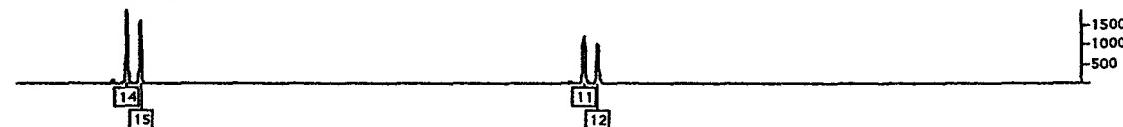
LADDER-4 18 Yellow CO LADDER



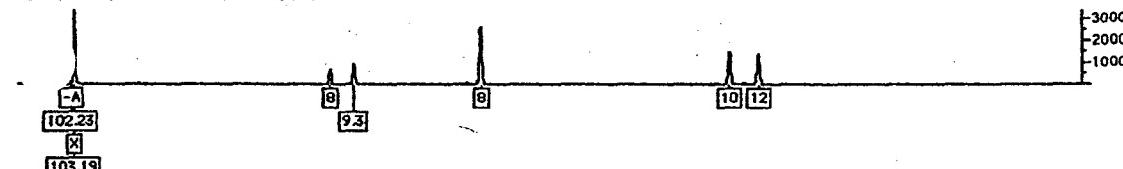
ADSORB 18 Red CO LADDER



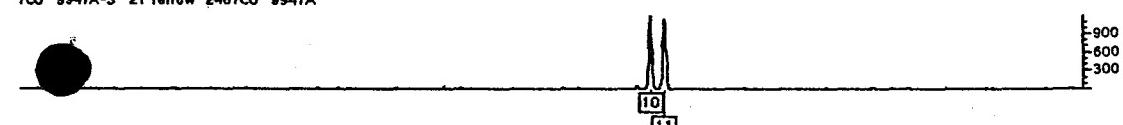
7CO 9947A-3 21 Blue 2467CO 9947A



7CO 9947A-3 21 Green 2467CO 9947A



7CO 9947A-3 21 Yellow 2467CO 9947A



7CO 9947A-3 21 Red 2467CO 9947A



3CO _MP CONT-2 22 Blue 2468CO NEG AMP CONT

No Size Data

3CO _MP CONT-2 22 Green 2468CO NEG AMP CONT

No Size Data

3CO _MP CONT-2 22 Yellow 2468CO NEG AMP CONT

No Size Data

3CO _MP CONT-2 22 Red 2468CO NEG AMP CONT



CASE CONVERSATION LOG

CL# 0303335

Employee Initials: CW
 Conversation with: Michele Hartmann
 Affiliation: TCDA
 Call Initiated by: MH
 Conversation Re:

Date: 25 Aug 03
 Time: ~1200
 Telephone In Person
 Phone #: 2663

- ? whether arrest bad/illegal
- Judge has not ruled
- May get new sw. & swabs for DNA
- McCaskey will bring this week
has NOT submitted sex ass evidence yet

Employee Initials: CW
 Conversation with:
 Affiliation: TCDA
 Call Initiated by:
 Conversation Re:

Date: 4 Sept 03
 Time: ~1400
 Telephone In Person
 Phone #: 2663

- ? reporting # 52 / insert in orig report
- copies for df when complete
SAICs

Employee Initials: CW
 Conversation with: 1:ibility of his allegations
 Affiliation: TCDA
 Call Initiated by: JR
 Conversation Re:

Date: 19 Sept 03
 Time: ~1400 (x2)
 Telephone In Person
 Phone #: page# 817-418-5675

- Copy coin env. retained
- autopsy clothing both victims
still @ ME

8/8/03

Michele Hartmann

see Linda

ext.

2663 test.

- off attn Bill Ray
Tim Moore

week of
22 Sept

- copy lab notes ✓
- get CD from Harry
(burn 3) ✓
- Jim Rizzi pick up ✓
- meeting dates

CL# 03D3339

Vict (Ketsingers (2))

Employee Initials:	GJP	Date:	6-18-03
Conversation with:	Greg Muller	Time:	1145
Affiliation:	TCD	[] Telephone	[] In Person
Call Initiated by:	DA	Phone #:	817-1695
Conversation Re:	Requests sent on stains - (V)'s clothing (pants) x - garage Well have Det McCaskill bring samples. - Request copies of any FWPD lab reports / case notes Prosecutors will be Michelle Hartman & Sean Callahan Defense: Bill Ray Trial date Aug 18, 2003		

Employee Initials:	CWW	Date:	24 June 03
Conversation with:	Michelle Hartman	Time:	1630
Affiliation:	TCD	[] Telephone	[] In Person
Call Initiated by:	MH	Phone #:	
Conversation Re:	<ul style="list-style-type: none"> - Will have S. McCaskill bring clothing / swabs (suspect from Olmsted) - DNA blood neck area + examine here - meet @ 1400 tomorrow - Set photos re: drops on victim clothing 		

Employee Initials:	CWW	Date:	7 July 03
Conversation with:	Det McCaskill	Time:	1450
Affiliation:	FWPD	[] Telephone	[] In Person
Call Initiated by:	CWW	Phone #:	
Conversation Re:	<ul style="list-style-type: none"> - Det will bring tiles 15, 16, 17A & 17B for examin of blood drops. 		

TRANSACTION REPORT

JUL-30-03 WED 1:45 PM

FOR: TARRANT COUNTY M E 8179205719

DATE	START	RECEIVER	TX TIME	PAGES	TYPE	NOTE
JUL-30	1:39 PM	98178843333	5' 30"	6	SEND	OK



FORT WORTH POLICE DEPARTMENT

FORENSIC SCIENCE LABORATORY

350 WEST BELKNAP STREET
FORT WORTH, TEXAS 76102-2004
(817) 877-8084
FAX (817) 877-8208

0303339
0303340
cm

EVIDENCE RELEASE AND RECEIPT FORM

LAB NUMBER: 0302077 SLSERVICE NUMBER: 03038339

Victim Name: 1) Pat Syren
2) Pearl magouirk Type of Offense: Cap Murder

Suspect Name: _____ Date of Offense: 4/8/03Bill To: TCDA Invoice Number: _____

Contact Person: _____ Phone Number: _____

DESCRIPTION OF EVIDENCE: _____

See attached list

SPECIAL INSTRUCTIONS OR REQUESTS: _____

Sent at the request of Det. McCaskill

DATE	TIME	RELEASED BY	RECEIVED BY
<u>8-28-03</u>	<u>0908</u>	<u>Sundage Lopez</u> PRINT NAME / TITLE	<u>John McCaskill/Det.</u> PRINT NAME / TITLE
_____	_____	<u>S. Lopez</u> SIGNATURE	<u>John McCaskill</u> SIGNATURE
_____	_____	PRINT NAME / TITLE	PRINT NAME / TITLE
_____	_____	SIGNATURE	SIGNATURE

1. Items belonging to Pearl Maguire:

- a. Vaginal Swabs and Smear
- b. Oral swabs and smear
- c. Anal swabs and smear
- d. perianal swabs
- e. combed pubic hair
- f. pulled pubic hair
- g. pulled scalp hair

2. Items belonging to Patricia Syren

- a. Vaginal swabs and smear
- b. Oral swabs and Smear
- c. anal swabs and smear
- d. perianal swabs
- e. combed pubic hair
- f. pulled pubic hair
- g. pulled scalp hair

BIOLOGY TECHNICAL PEER REVIEW

Date of Completion: 8 Sept 03 Crime Lab #: 0303339

Primary Analyst: Clu Reviewer: ChP

	<u>YES</u>	<u>NO*</u>	<u>N/A</u>	
1.				REPORT
2.	<input checked="" type="checkbox"/>			Have the requested examinations been addressed?
				Are the results clearly communicated?
3.	<input checked="" type="checkbox"/>			ADMINISTRATIVE REVIEW
4.	<input checked="" type="checkbox"/>			Is the report correct editorially and typographically?
				Is the general format of the report consistent with laboratory policy?
5.	<input checked="" type="checkbox"/>			SUPPORTING DOCUMENTATION
6.	<input checked="" type="checkbox"/>			Is the evidence adequately described?
7.	<input checked="" type="checkbox"/>			Are the case number and analyst's initials on all pages?
8.	<input checked="" type="checkbox"/>			Does the documentation support the examinations conducted?
				Is the chain of custody current and properly documented?
9.	<input checked="" type="checkbox"/>			RESULTS and CONCLUSIONS
10.	<input checked="" type="checkbox"/>			Were standards and/or controls used and adequately documented?
11.	<input checked="" type="checkbox"/>			Do the tests performed conform to accepted techniques?
12.	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	Were conclusions fully supported by the data?
				Are conclusions reasonable and acceptable by peers within this discipline?

*Comments Required: _____

All data pertaining to this laboratory report was reviewed and the interpretation of this data was agreed upon.

Signature of technical peer reviewer: Constance Lutton Date: 9-9-03

STR TECHNICAL PEER REVIEW

Date of Completion: 3 Sept 03 Crime Lab #: 0303339

Primary Analyst: CW Reviewer: CHP

	YES	NO*	N/A	STR DATA ANALYSIS REVIEW
1.	<input checked="" type="checkbox"/>	—	—	Have the GeneScan data been re-analyzed including the GS-500 ROX range and 250 peak?
2.	<input checked="" type="checkbox"/>	—	—	Have the GenoTyper data been re-analyzed?
3.	<input checked="" type="checkbox"/>	—	—	Has the typing obtained from the positive control been confirmed?
4.	<input checked="" type="checkbox"/>	—	—	Have the results from the negative controls been confirmed?
SUPPORTING DOCUMENTATION				
5.	<input checked="" type="checkbox"/>	—	—	Are the case number and analyst's initials on all pages?
6.	<input checked="" type="checkbox"/>	—	—	Are all worksheets and the reagent logs present and complete?
7.	<input checked="" type="checkbox"/>	—	—	Are the GeneScan and GenoTyper data sheets present?
8.	<input checked="" type="checkbox"/>	—	—	Has the data transcription been reviewed from the STR results table and the CODIS specimen entry forms if applicable?
RESULTS and CONCLUSIONS				
9.	<input checked="" type="checkbox"/>	—	—	Were conclusions fully supported by the data?
10.	<input checked="" type="checkbox"/>	—	—	When offered, was the frequency data fully supported by the data?
DISPOSITION				
11.	<input checked="" type="checkbox"/>	—	—	Was the disposition of the evidence/stain included?

*Comments Required: _____

All data pertaining to this laboratory report was reviewed and the interpretation of this data was agreed upon.

Signature of technical peer reviewer: Constance Watson Date: 9-5-03

#0303339 CNU

Case Sensitivity: Routine High Profile

Case Type: Jurisdiction

County Name: Tarrant

Created Date: 04/09/2003 02:35

Created By: Curtis Clary

Status: Autopsy

Agency: Fort Worth PD

Service #: 03038339

Agent:

Deceased Name: Patricia Syren

Date/Time
of Death: 04/08/2003 18:37

Race, Sex,
Age: CF71

Investigator: Curtis Clary

**Medical
Examiner:** Nizam Peerwani

Autopsy Date/Time: 04/11/2003 10:30

**Box Work
lumber:**

Next-of-Kin Notification

**Release
Body:** Yes

Show Inactive Items

Associate Items

Add Money

Add Item

Description: One sealed manila envelop containing trace materials from shirt and bra.

Disposition: In Lab		Quantity: 1	UOM: Envelop	Add Sub-Item			
<u>030409156</u>	N	E	N	<u>Fort Worth P.D.</u>	<u>Deceased Body</u>	<u>LAURA MARTINEZ</u>	06/02/2003 13:58

Description: One sealed manila envelop containing loose debris from shorts.

Disposition: In Lab		Quantity: 1	UOM: Envelop	Add Sub-Item			
<u>030409157</u>	N	E	N	<u>Fort Worth P.D.</u>	<u>Deceased Body</u>	<u>LAURA MARTINEZ</u>	06/02/2003 13:58

Description: One sealed manila envelop containing fingernail cuttings from right hand.

Disposition: In Lab		Quantity: 1	UOM: Envelop	Add Sub-Item			
<u>030409159</u>	N	E	N	<u>Fort Worth P.D.</u>	<u>Deceased Body</u>	<u>LAURA MARTINEZ</u>	06/02/2003 13:58

Description: One sealed manila envelop containing fingernail cuttings from left hand.

Disposition: In Lab		Quantity: 1	UOM: Envelop	Add Sub-Item			
<u>030411010</u>	N	E	N	<u>Medical Examiners</u>	<u>Nizam Peerwani</u>	<u>Joyce Ho</u>	04/15/2003 08:36

Description: Blood - Chest Cavity

Disposition: Morgue		Quantity: 5	UOM: Milliliters	Add Sub-Item			
<u>030411011</u>	N	E	N	<u>Medical Examiners</u>	<u>Nizam Peerwani</u>	<u>Joyce Ho</u>	04/15/2003 08:36

Description: Blood - Femoral

Disposition: Morgue		Quantity: 5	UOM: Milliliters	Add Sub-Item			
<u>030411012</u>	N	E	N	<u>Medical Examiners</u>	<u>Nizam Peerwani</u>	<u>Morgue Temporary Storage</u>	04/09/2003 14:30

Description: Tissues in Formalin

Disposition: Morgue		Quantity: 1	UOM: Plastic Bag	Add Sub-Item			
<u>030411013</u>	N	E	N	<u>Medical Examiners</u>	<u>Nizam Peerwani</u>	<u>Morgue Temporary Storage</u>	04/09/2003 14:30

Description: Fingerprints & Palmprints

Disposition: Morgue		Quantity: 3	UOM: Envelop	Add Sub-Item			
<u>030411014</u>	N	E	N	<u>Medical Examiners</u>	<u>Nizam Peerwani</u>	<u>LAURA MARTINEZ</u>	04/14/2003 13:57

Description: Criminalistic Evidence

Disposition: Morgue		Quantity: 12	UOM: Envelop	Add Sub-Item			
<u>030411021</u>	N	E	Y	<u>Medical Examiners</u>	<u>Nizam Peerwani</u>	<u>LAURA MARTINEZ</u>	04/14/2003 14:09

Description: Blood - Red Top Tube

Disposition: Morgue		Quantity: 10	UOM: Milliliters	Add Sub-Item			
<u>030411022</u>	N	E	Y	<u>Medical Examiners</u>	<u>Nizam Peerwani</u>	<u>LAURA MARTINEZ</u>	04/14/2003 14:09

Description: Blood - Purple Top Tube

Disposition: Morgue		Quantity: 7	UOM: Milliliters	Add Sub-Item			
<u>030411023</u>	N	E	Y	<u>Medical Examiners</u>	<u>Nizam Peerwani</u>	<u>LAURA MARTINEZ</u>	04/14/2003 14:09

Description: Oral Smear

Disposition: Morgue		Quantity: 1	UOM: Envelop	Add Sub-Item			
<u>030411024</u>	N	E	Y	<u>Medical Examiners</u>	<u>Nizam Peerwani</u>	<u>LAURA MARTINEZ</u>	04/14/2003 14:09

Description: Vaginal Smear

Disposition: Morgue		Quantity: 1	UOM: Envelop	Add Sub-Item			
<u>030411025</u>	N	E	Y	<u>Medical Examiners</u>	<u>Nizam Peerwani</u>	<u>LAURA MARTINEZ</u>	04/14/2003 14:09

18.6	Case#0411020 cv-00703-Y Document 878 Filed 11/03/17 Page 178 of 196 PageID 5124				Medical Examiners	Nizam Peerwani	LAURA MARTINEZ	04/14/2003 51094 030333A cm
Description: Oral Swabs								
	Disposition: Morgue				Quantity:	4	UOM:	Envelop
	<u>030411027</u>	N	E	Y	Medical Examiners	Nizam Peerwani	<u>LAURA MARTINEZ</u>	04/14/2003 14:09
Description: Vaginal Swabs								
	Disposition: Morgue				Quantity:	6	UOM:	Envelop
18.8	<u>030411028</u>	N	E	Y	Medical Examiners	Nizam Peerwani	<u>LAURA MARTINEZ</u>	04/14/2003 14:09
Description: Anal Swabs								
	Disposition: Morgue				Quantity:	4	UOM:	Envelop
18.9	<u>030411029</u>	N	E	Y	Medical Examiners	Nizam Peerwani	<u>LAURA MARTINEZ</u>	04/14/2003 14:09
Description: Peri-Anal Swabs								
	Disposition: Morgue				Quantity:	2	UOM:	Envelop
18.10	<u>030411030</u>	N	E	Y	Medical Examiners	Nizam Peerwani	<u>LAURA MARTINEZ</u>	04/14/2003 14:09
Description: Pulled Pubic Hair								
	Disposition: Long-term Storage				Quantity:	1	UOM:	Envelop
18.11	<u>030411031</u>	N	E	Y	Medical Examiners	Nizam Peerwani	<u>LAURA MARTINEZ</u>	04/14/2003 14:09
Description: Combed Pubic Hair								
	Disposition: Morgue				Quantity:	1	UOM:	Envelop
18.12	<u>030411032</u>	N	E	Y	Medical Examiners	Nizam Peerwani	<u>LAURA MARTINEZ</u>	04/14/2003 14:09
Description: Pulled Scalp Hair								
	Disposition: Morgue				Quantity:	1	UOM:	Envelop
19	<u>030411015</u>	N	E	N	Medical Examiners	Nizam Peerwani	<u>Morgue Temporary Storage</u>	04/09/2003 13:30
Description: Clothing								
	Disposition: Morgue				Quantity:	5	UOM:	Envelop
19.1	<u>030411016</u>	Y	E	Y	Medical Examiners	Nizam Peerwani	<u>Carolyn Van Winkle</u>	06/26/2003 14:27
Description: Light blue Shorts (Bloody)								
	Disposition: Morgue				Quantity:	1	UOM:	paper bag
19.2	<u>030411017</u>	Y	E	Y	Medical Examiners	Nizam Peerwani	<u>Carolyn Van Winkle</u>	06/26/2003 14:27
Description: Ray Blood T-Shirt								
	Disposition: Morgue				Quantity:	1	UOM:	paper bag
19.3	<u>030411018</u>	Y	E	Y	Medical Examiners	Nizam Peerwani	<u>Morgue Temporary Storage</u>	04/09/2003 13:30
Description: Tan Bra (Bloody)								
	Disposition: Morgue				Quantity:	1	UOM:	Envelop
19.4	<u>030411019</u>	Y	E	Y	Medical Examiners	Nizam Peerwani	<u>Morgue Temporary Storage</u>	04/09/2003 13:30
Description: Tan Panties (Bloody)								
	Disposition: Morgue				Quantity:	1	UOM:	Envelop
19.5	<u>030411020</u>	Y	E	Y	Medical Examiners	Nizam Peerwani	<u>Morgue Temporary Storage</u>	04/09/2003 13:30
Description: Left White Tennis Shoe (Bloody)								
	Disposition: Morgue				Quantity:	1	UOM:	Envelop
20	<u>030411033</u>	N	E	N	Medical Examiners	Nizam Peerwani	<u>Morgue Temporary Storage</u>	04/09/2003 13:30

Read card

21	Case 4:03-cv-00703-Y Document 87 Filed 11/03/17 Page 179 of 5145	Fort Worth P.D.	John McCaskill	Carolyn Van Winkle	06/26/2003 0303339
Description: SEALED ENVELOPE C/BUCCAL SWAB KIT (FROM BILLY CRUTSINGER)					
	Disposition: Evidence Room		Quantity: 1	UOM: Envelop	Add Sub-Item
	<u>030626032</u> N E N Fort Worth P.D.		<u>John McCaskill</u>	<u>Carolyn Van Winkle</u>	06/26/2003 14:45
Description: SEALED ENVELOPE C/8 APPARENT BLOOD SAMPLES & CONTROL SAMPLES (ITEMS 1-8)					
23	Disposition: Evidence Room		Quantity: 8	UOM: Envelop	Add Sub-Item
	<u>030626033</u> N E N Fort Worth P.D.		<u>John McCaskill</u>	<u>Carolyn Van Winkle</u>	06/26/2003 14:45
Description: SEALED ENVELOPE C/4 APPARENT BLOOD SAMPLES & CONTROL SAMPLE (ITEMS 11-14)					
24	Disposition: Evidence Room		Quantity: 4	UOM: Envelop	Add Sub-Item
	<u>030626034</u> N E N Fort Worth P.D.		<u>John McCaskill</u>	<u>Carolyn Van Winkle</u>	06/26/2003 14:45
Description: SEALED ENVELOPE C/2 APPARENT BLOOD SAMPLES & CONTROL SAMPLES (ITEMS 23-24)					
25	Disposition: Evidence Room		Quantity: 2	UOM: Envelop	Add Sub-Item
	<u>030626035</u> N E N Fort Worth P.D.		<u>John McCaskill</u>	<u>Carolyn Van Winkle</u>	06/26/2003 14:45
Description: SEALED SACK C/16 SWABS,ONE SAMPLE FR DRIVERS DOOR FRAME ONE CONTROL(DIST WATER),ONE SEAT BELT					
26	Disposition: Evidence Room		Quantity: 16	UOM: paper bag	Add Sub-Item
	<u>030626036</u> N E N Fort Worth P.D.		<u>John McCaskill</u>	<u>Carolyn Van Winkle</u>	06/26/2003 14:45
Description: SEALED BOX C/4 WHITE SOCKS					
27	Disposition: Evidence Room		Quantity: 4	UOM: boxes	Add Sub-Item
	<u>030626037</u> N E N Fort Worth P.D.		<u>John McCaskill</u>	<u>Carolyn Van Winkle</u>	06/26/2003 14:45
Description: SEALED BOX C/1 DENIM SHIRT					
28	Disposition: Evidence Room		Quantity: 1	UOM: boxes	Add Sub-Item
	<u>030626038</u> N E N Fort Worth P.D.		<u>John McCaskill</u>	<u>Carolyn Van Winkle</u>	06/26/2003 14:45
Description: SEALED BOX C/1 GRAY T-SHIRT					
29	Disposition: Evidence Room		Quantity: 1	UOM: boxes	Add Sub-Item
	<u>030626039</u> N E N Fort Worth P.D.		<u>John McCaskill</u>	<u>Carolyn Van Winkle</u>	06/26/2003 14:45
Description: SEALED BOX C/1WHITE TOWEL					
30	Disposition: Evidence Room		Quantity: 1	UOM: boxes	Add Sub-Item
	<u>030626040</u> N E N Fort Worth P.D.		<u>John McCaskill</u>	<u>Carolyn Van Winkle</u>	06/26/2003 14:45
Description: SEALED BOX C/1 CUT-OFF BLUE JEANS					
31	Disposition: Evidence Room		Quantity: 1	UOM: boxes	Add Sub-Item
	<u>030626041</u> N E N Fort Worth P.D.		<u>John McCaskill</u>	<u>Carolyn Van Winkle</u>	06/26/2003 14:45
Description: SEALED BOX C/2 DEMIN CUTTING					
32	Disposition: Evidence Room		Quantity: 2	UOM: boxes	Add Sub-Item
	<u>030626042</u> N E N Fort Worth P.D.		<u>John McCaskill</u>	<u>Carolyn Van Winkle</u>	06/26/2003 14:45
Description: SEALED ENVELOPE C/ONE KNIFE BLADE					
	Disposition: Evidence Room		Quantity: 1	UOM: Envelop	Add Sub-Item

Statistics Report

Database: f:\Popstats\Popdata\FBI\STR

Case Type: Forensic Mixture

Specimen ID: 0303339-30T1 JEAN POCKET

DNA Analyst: cwinkle

Date: July 23, 2003

Page: 1

Probe	Allele	Allele +/-		Allele Frequency		
		Minimum	Maximum	CAU	BLK	SEH
D3S1358	14			1.4040E-01	1.2140E-01	8.3800E-02
D3S1358	15			2.4630E-01	2.9050E-01	3.5340E-01
D3S1358	16			2.3150E-01	3.0710E-01	2.4610E-01
D3S1358	17			2.1180E-01	2.0000E-01	1.6230E-01
vWA	14			1.0200E-01	6.6700E-02	6.8800E-02
vWA	16			2.0150E-01	2.6940E-01	2.6880E-01
vWA	17			2.6280E-01	1.8330E-01	3.0420E-01
vWA	18			2.2190E-01	1.3610E-01	1.8750E-01
FGA	18			3.0600E-02	1.3900E-02	1.3100E-02
FGA	21			1.7350E-01	1.2500E-01	1.3610E-01
FGA	21.2			1.2800E-02	1.3900E-02	1.3100E-02
FGA	23			1.5820E-01	1.2500E-01	1.4920E-01
FGA	24			1.3780E-01	1.8610E-01	1.4660E-01
D8S1179	12			1.4540E-01	1.0830E-01	1.0730E-01
D8S1179	13			3.3930E-01	2.2220E-01	3.5600E-01
D8S1179	14			2.0150E-01	3.3330E-01	2.1200E-01
D21S11	28			1.6580E-01	2.1510E-01	1.2570E-01
D21S11	29			1.8110E-01	1.8990E-01	2.4080E-01
D21S11	30			2.3210E-01	1.7880E-01	2.3820E-01
D21S11	32.2			1.1220E-01	6.9800E-02	1.1520E-01
D5S818	11			4.1030E-01	2.6110E-01	3.9380E-01
D5S818	12			3.5390E-01	3.5560E-01	3.1670E-01
D13S317	11			3.1890E-01	2.3740E-01	3.0630E-01
D13S317	12			3.0870E-01	4.8320E-01	2.2920E-01
D13S317	13			1.0970E-01	1.2570E-01	1.0830E-01
D7S820	10			2.9060E-01	3.2380E-01	2.6670E-01
D7S820	11			2.0200E-01	2.2380E-01	2.2710E-01
CSF1PO	10			2.5370E-01	2.7140E-01	2.5420E-01
CSF1PO	11			3.0050E-01	2.0480E-01	2.9580E-01
CSF1PO	12			3.2510E-01	3.0000E-01	3.5630E-01
TPOX	8			5.4430E-01	3.6840E-01	5.0630E-01
TPOX	11			2.5370E-01	2.2490E-01	2.7710E-01
TH01	6			2.2660E-01	1.0950E-01	2.1250E-01
TH01	8			1.2560E-01	1.8570E-01	1.0420E-01
TH01	9.3			3.0540E-01	1.0480E-01	2.3540E-01
D16S539	11			2.7230E-01	2.9430E-01	2.8130E-01
D16S539	12			3.3910E-01	1.8660E-01	2.5420E-01

SWH

7.9000E-02

4.2580E-01

2.6560E-01

1.2680E-01

6.1600E-02

3.5960E-01

Case 4:07-cv-00703-Y Document 87-3 Filed 11/03/17 Case Type: Forensic Mixture
Database: f:\Popstats\Popdata\FBI\STR Specimen ID: 0303339-30T1 JEAN POCKET
DNA Analyst: cvwinkle Date: July 23, 2003
Page: 2

2.2170E-01
1.9460E-01
1.2300E-02
1.3050E-01
1.2300E-02
1.4040E-01
1.2560E-01
1.2070E-01
3.2510E-01
2.4630E-01
6.9000E-02
2.0440E-01
3.3010E-01
1.3550E-01
4.2120E-01
2.9060E-01
2.0200E-01
2.1680E-01
1.3790E-01
3.0620E-01
2.8950E-01
2.5360E-01
2.6560E-01
3.9230E-01
5.5500E-01
2.7270E-01
2.3210E-01
8.1300E-02
2.4160E-01
3.1490E-01
2.8610E-01

The Mixture Formula used.

CAU frequency = 1 in 6,439
BLK frequency = 1 in 106,100
SEH frequency = 1 in 18,240
SWH frequency = 1 in 10,820

Statistics Report

Database: f:\Popstats\Popdata\FBI\STR

Case Type: Forensic Mixture

Specimen ID: 0303339-27T4 SHIRT

DNA Analyst: cvwinkle

Date: July 23, 2003

Page: 1

Probe	Allele	Allele +/-		Allele Frequency		
		Minimum	Maximum	CAU	BLK	SEH
D3S1358	14			1.4040E-01	1.2140E-01	8.3800E-02
D3S1358	15			2.4630E-01	2.9050E-01	3.5340E-01
vWA	14			1.0200E-01	6.6700E-02	6.8800E-02
vWA	16			2.0150E-01	2.6940E-01	2.6880E-01
vWA	17			2.6280E-01	1.8330E-01	3.0420E-01
FGA	21			1.7350E-01	1.2500E-01	1.3610E-01
FGA	23			1.5820E-01	1.2500E-01	1.4920E-01
FGA	24			1.3780E-01	1.8610E-01	1.4660E-01
D8S1179	12			1.4540E-01	1.0830E-01	1.0730E-01
D8S1179	13			3.3930E-01	2.2220E-01	3.5600E-01
D21S11	28			1.6580E-01	2.1510E-01	1.2570E-01
D21S11	29			1.8110E-01	1.8990E-01	2.4080E-01
D21S11	32.2			1.1220E-01	6.9800E-02	1.1520E-01
D18S51	14			1.7350E-01	6.3900E-02	1.3090E-01
D18S51	15			1.2760E-01	1.6670E-01	1.9110E-01
D18S51	17			1.5560E-01	1.6390E-01	1.0730E-01
D5S818	10			4.8700E-02	6.3900E-02	4.5800E-02
D5S818	11			4.1030E-01	2.6110E-01	3.9380E-01
D5S818	12			3.5390E-01	3.5560E-01	3.1670E-01
D13S317	11			3.1890E-01	2.3740E-01	3.0630E-01
D13S317	12			3.0870E-01	4.8320E-01	2.2920E-01
D7S820	10			2.9060E-01	3.2380E-01	2.6670E-01
D7S820	11			2.0200E-01	2.2380E-01	2.2710E-01
CSF1PO	11			3.0050E-01	2.0480E-01	2.9580E-01
CSF1PO	12			3.2510E-01	3.0000E-01	3.5630E-01
TPOX	8			5.4430E-01	3.6840E-01	5.0630E-01
TPOX	11			2.5370E-01	2.2490E-01	2.7710E-01
TH01	6			2.2660E-01	1.0950E-01	2.1250E-01
TH01	8			1.2560E-01	1.8570E-01	1.0420E-01
D16S539	11			2.7230E-01	2.9430E-01	2.8130E-01
D16S539	12			3.3910E-01	1.8660E-01	2.5420E-01

SWH

7.9000E-02
 4.2580E-01
 6.1600E-02
 3.5960E-01
 2.2170E-01
 1.3050E-01
 1.4040E-01
 1.2560E-01
 1.2070E-01
 3.2510E-01
 6.9000E-02
 2.0440E-01

Case 4:07-cv-00703-Y Document 67-5 Filed 11/03/17 Page 183 of 196 PageID 5129
Database: f:\Popstats\Popdata\FBI\STR
Case Type: Forensic Mixture
Specimen ID: 0303339-27T4 SHIRT
DNA Analyst: cwwinkle *Amu*
Date: July 23, 2003
Page: 2

1.3550E-01
1.7000E-01
1.3790E-01
1.3790E-01
6.6500E-02
4.2120E-01
2.9060E-01
2.0200E-01
2.1680E-01
3.0620E-01
2.8950E-01
2.6560E-01
3.9230E-01
5.5500E-01
2.7270E-01
2.3210E-01
8.1300E-02
3.1490E-01
2.8610E-01

The Mixture Formula used.

CAU frequency = 1 in 12,550,000

BLK frequency = 1 in 229,900,000

SEH frequency = 1 in 24,710,000

SWH frequency = 1 in 23,060,000

Statistics Report

Statistics Report

Statistics Report

Statistics Report

Statistics Report

Database: f:\Popstats\Popdata\FBI\STR
 Case Type: Forensic Single Sample
 Specimen ID: 0303340-19.1T1 & 0303339-19T,
 DNA Analyst: cwwinkle
 Date: July 23, 2003
 Page: 1

Probe	Allele	Allele +/-		Allele Frequency		
		Minimum	Maximum	CAU	BLK	SEH
D3S1358	16			2.3150E-01	3.0710E-01	2.4610E-01
D3S1358	17			2.1180E-01	2.0000E-01	1.6230E-01
vWA	16			2.0150E-01	2.6940E-01	2.6880E-01
vWA	18			2.2190E-01	1.3610E-01	1.8750E-01
FGA	18			3.0600E-02	1.3900E-02	1.3100E-02
FGA	21.2			1.2800E-02	1.3900E-02	1.3100E-02
D8S1179	14			2.0150E-01	3.3330E-01	2.1200E-01
D21S11	28			1.6580E-01	2.1510E-01	1.2570E-01
D21S11	30			2.3210E-01	1.7880E-01	2.3820E-01
D18S51	14			1.7350E-01	6.3900E-02	1.3090E-01
D18S51	15			1.2760E-01	1.6670E-01	1.9110E-01
D5S818	11			4.1030E-01	2.6110E-01	3.9380E-01
D5S818	12			3.5390E-01	3.5560E-01	3.1670E-01
D13S317	12			3.0870E-01	4.8320E-01	2.2920E-01
D13S317	13			1.0970E-01	1.2570E-01	1.0830E-01
D7S820	10			2.9060E-01	3.2380E-01	2.6670E-01
D7S820	11			2.0200E-01	2.2380E-01	2.2710E-01
CSF1PO	10			2.5370E-01	2.7140E-01	2.5420E-01
TPOX	8			5.4430E-01	3.6840E-01	5.0630E-01
TH01	6			2.2660E-01	1.0950E-01	2.1250E-01
TH01	9.3			3.0540E-01	1.0480E-01	2.3540E-01
D16S539	11			2.7230E-01	2.9430E-01	2.8130E-01
D16S539	12			3.3910E-01	1.8660E-01	2.5420E-01

SWH

2.6560E-01
 1.2680E-01
 3.5960E-01
 1.9460E-01
 1.2300E-02
 1.2300E-02
 2.4630E-01
 6.9000E-02
 3.3010E-01
 1.7000E-01
 1.3790E-01
 4.2120E-01
 2.9060E-01
 2.1680E-01
 1.3790E-01
 3.0620E-01
 2.8950E-01
 2.5360E-01
 5.5500E-01
 2.3210E-01

Case 4:07-cv-00703-Y Document 67-3 Filed 11/03/17 Page 185 of 196 PageID 5131
Database: f:\Popstats\Popdata\FBI\STR
Case Type: Forensic Single Sample
Specimen ID: 0303340-19.1T1 & 0303339-19.1
DNA Analyst: cwinkle
Date: July 23, 2003
Page: 2

2.4160E-01
3.1490E-01
2.8610E-01

NRC 96 Formula used

Statistics Report

CAU frequency = 1 in 866,600,000,000,000
BLK frequency = 1 in 17,980,000,000,000,000
SEH frequency = 1 in 7,013,000,000,000,000
SWH frequency = 1 in 2,435,000,000,000,000

Statistics Report

Statistics Report

DNA EXTRACTION WORKSHEET

Date(s) started: 28 Aug 03

Crime Lab #(s):

030 3339

Analyst: (Signature)

Quantitation:

Amplification(s):

Organic Extraction:

Extract Disposition: _____

Chelex Extraction:

Comments:

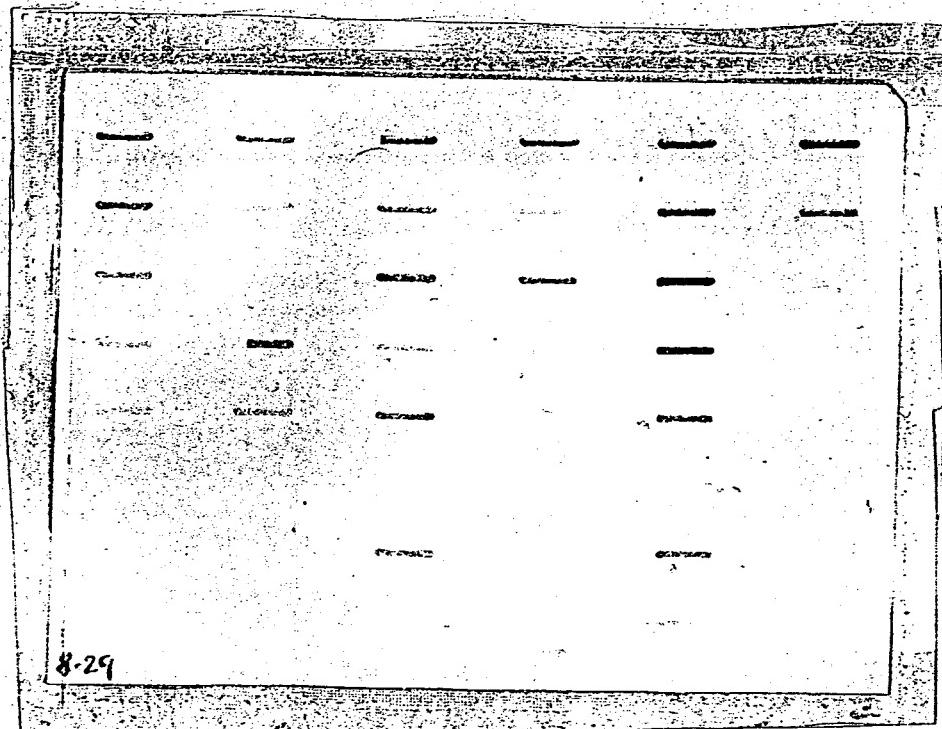
DNA QUANTITATION RESULTS

Analyst: (initials)
Date: 29 Aug 03
Sample volumes: 2 mL

Crime Lab #(s): 0303339
0220540
0300067
0301210

	1	2	3	4	5	6
A	10 ng	Calibrator 1 - 3.5 ng	030006T 23	→ 9	0301210 26T ₁	→ 31
B	5 ng	Calibrator 2 - 0.5 ng	23 1:10	9 (1:10)	26T ₁ (1:10)	31 1:10
C	2.5 ng		24	22	26T ₂	
D	1.25 ng	0303339 52	24 1:10	22 (1:10)	26T ₂ (1:10)	
E	0.62 ng	52 (1:10)	26		27	
F	0.31 ng				27 (1:10)	
G	0.15 ng	022054(0)	020858T 9		Z	K Ext Ctl.
H	0 ng		9 (1:10)		30	Q Ext Ctl.

LUMIGRAPH



**AMPLIFICATION AND
SAMPLE WELL POSITION WORKSHEET**

Date of amplification: 2 Sept 03 Crime Lab #(s): 0301210
Analyst: C.W. 0303339
030006T
031210

Profiler Plus: / Master Mix:
Cofiler: /

PP: 10 Master Mix:
189.0 105.0 μL Reaction Mix (# samples X 10.5 μL reaction mix)
9.0 5.0 μL Taq Gold DNA Polymerase (# samples X 0.5 μL Taq)
99.0 55.0 μL Primer Set (# samples X 5.5 μL)

Thermocycler 2400

Front

	2625 PP	2626	2627	2628	2629	2630	2631	2632	2633	2634	→
	2635 PP	2636	2637	2638	2639	2640			2641 9A41A	2642 NegAmpl	
	2633 CO	2634	2635	2636		2637		2631	2632	→	
	2630R CO							2631 9A41A	2632 NegAmpl		

Thermocycler 9700

Front

REAGENT LOG

Analyst: Chu
 Date: Aug/Sept 2003

Crime Lab Case #: 0303339

Reagent	Lot # / Exp date
Extraction Buffer	042303clp
TE ⁻⁴	123002clp
4M DTT	071902cvw
Proteinase K	061003clp/0304
Phenol:Chloroform:Isoamyl	1148557
QuantiBlot kit	E01526 / 022904
Hydrogen peroxide	022925
Chromogen	D01378 / 033104
Biodyne B	100141
Profiler Plus kit	0211060 / 112203 PP#13 0304067 / 041104 PP#14K
COfiler kit	0211043 / 112003 CO #9 0302047 / 032404 CO#10
GS 500 Rox	36095711131
Formamide	0212196
310 Buffer	0304155
POP-4	0303098 / 082803 0306101 8/10/03
310 Capillary	MCV04A
Dye Primer Matrix Standard	0302054

DNA EXTRACTION WORKSHEET

Date(s) started:

K 7-9-03
Q 7-10-03
(con)

Crime Lab #(s):

0303339

Analyst:

Quantitation: Amplification(s):

PP

Amp #	Sample Information	Quant.	ng/ μ l	μ l DNA	μ l H ₂ O	μ l DNA	μ l H ₂ O
	* 19.1 shorts T ₁	~10	~				
2436		1:10	~1.0	0.5	1.0	9.0	1.2
2437	* 19.1 shorts T ₂		~3.0	1.5	.33	9.67	
		1:10	~.31				
	19.2 T-shirt		>10				
2438		1:10	2.0	1.0	0.5	9.5	
2439	22.7 kitchen drawer		2.0	1.0	0.5	9.5	
		1:10	~2.15				
	22.8 garage floor		>10				
2440		1:10	2.0	1.0	0.5	9.5	
2441	24.1 dishwasher front		2.5	1.25	0.4	9.6	
			~1.15				
2442	* 25.8 steering wheel		3.0	1.25	.33	9.67	
		1:10	~.31				
2443	25.19 T ₁ seat belt		1.25	.625	0.8	9.2	
2444	32 knife blade		1.0	0.5	1.0	9.0	
2445	33 17A tile swabs		2.0	1.0	0.5	9.5	
2431	Q clx Ext cont				1.0	-	10
2430	Q Ext cont				1.0	-	10
2432	K Ext cont				1.0	9.0	1.0

Organic Extraction: Q#s 19.1-22.7, 25.19

Extract Disposition: _____

Chelex Extraction: K, 22.8, 19.1-22.7, 24.1, 25.8, 32, 33

Comments: * C1X microcon

DNA EXTRACTION WORKSHEET

Date(s) started: K 7-5-03Crime Lab #(s): 0303339Analyst: C.W.

Quantitation: _____

Amplification(s): PP: Co:

Amp #	Sample Information	Quant.	ng/ μ l	μ l DNA	μ l H ₂ O	μ l DNA	μ l H ₂ O
27T ₁	Shirt	5.0					
2446		1:10	0.5	.25	2.0	4.0	
2447	27T ₂ Shirt	~8.0	4.0	0.13	9.47		
27T ₃	shirt	5.0					
2448		1:10	0.5	.25	2.0	8.0	
2449	27T ₄ Shirt	~3.0	1.5	.33	9.67	.35	9.65
		1:10	~.15				
2450	27T ₅ Shirt	q		10	-		
2451	30T ₁ jeans pocket	2.0	1.0	0.5	9.5	0.7	9.3
2451R				0.7	9.3		
2452	30T ₂ jeans pocket	~4.0	2.0	0.2	9.8	0.3	9.7
2452R				0.3	9.8		
2453	30T ₃ jeans	>10					
2453		1:10	3.0	1.5	.33	9.67	
2454	30T ₄ jeans	2.0	1.0	0.5	9.5		
2455	30T ₆ jeans	~20					
2455		1:10	~2.0	1.0	0.5	9.5	
2456	20 Patricia Syrene	0.5	.25	2.0	8.0	1.75	8.25
2457	21 Bill Crutsinger	2.5	1.25	0.4	9.6	0.3	9.7

Organic Extraction: ✓ 27.2, 27.5, 30T₁-30T₆ Extract Disposition: _____Chelex Extraction: ✓ K 27.1, 27.3, 27.4 _____

Comments: _____

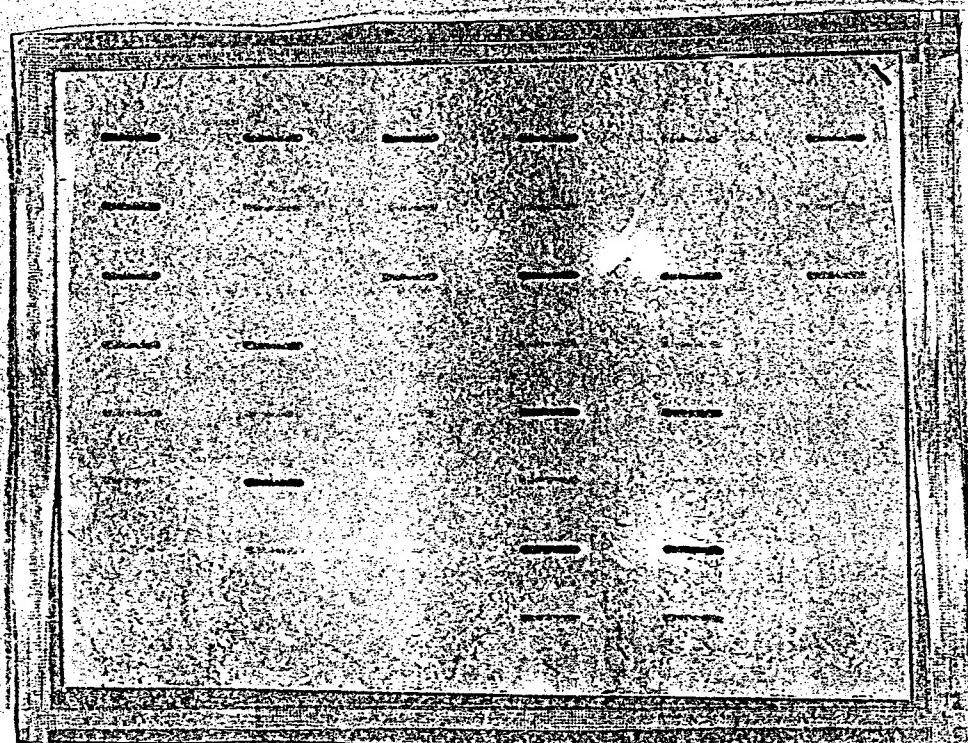
DNA QUANTITATION RESULTS

Analyst: 7-1103
 Date: CIP / Crw
 Sample volumes: 2ul

Crime Lab #(s): 010679T
011866T
0305136
0305837
0305330
0303339
0303340

	1	2	3	4	5	6
A	10 ng	Calibrator 1 - 3.5 ng	010679T 26	→ 30	0303339 20	0305330 1.4
B	5 ng	Calibrator 2 - 0.5 ng	26 1:10	30 1:10	20 1:10	1.4 1:10
C	2.5 ng		27	0305136 8.9	21	8
D	1.25 ng	011866T K1	27 1:10	8.9 1:10	21 1:10	8 1:10
E	0.62 ng	K1 1:10	28	9	0303340 16	
F	0.31 ng	K2	28 1:10	9 1:10	16 1:10	
G	0.15 ng	K2 1:10	29	0305837 12	13	
H	0 ng		29 1:10	12 1:10	13 1:10	N.Exist

LUMIGRAPH



DNA QUANTIFICATION CHART

Analyst:

(Cvu)

Date:

15 July 03

Sample volumes:

2ul

Crime Lab #(s):

0305804

0305330

0305806

0303339

0203115

0303340

0305136

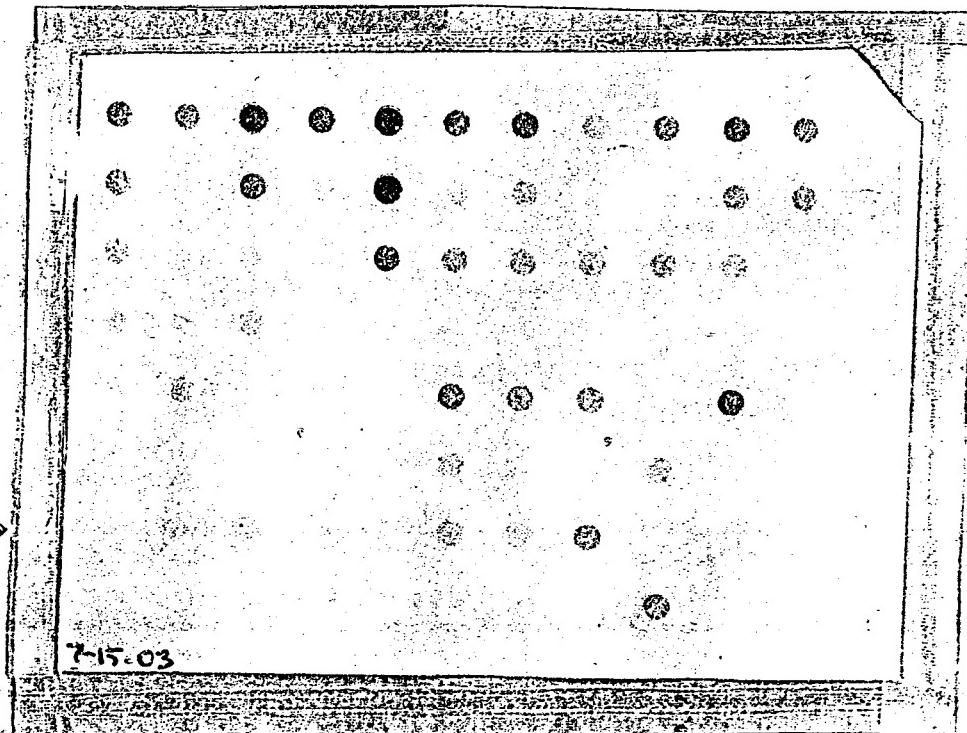
0305837

	1	2	3	4	5	6	7	8	9	10	11	12
A	10 ng	Calibrator 1 - 3.5 ng	0305136	0305330	0305837	0303339	22.8	32	27T ₃	30T ₃	0303340	
			2EC1	1.1 EC1	3 EC1	19.1 T ₁					19.3 T ₁	
B	5 ng	Calibrator 2 - 0.5 ng	2EC1 (1:10)	1.1 EC1 (1:10)	3 (1:10)	19.1 T ₁ (1:10)	22.8 1:10	32 (1:10)	27T ₃ (1:10)	30T ₃ (1:10)	19.3 T ₁	
C	2.5 ng		2EC2	1.1 EC2 (1:10)	3 (1:100)	19.2 T ₂	24.1	33	27T ₄	30T ₄		
D	1.25 ng	0305806	1	2SP	1.1 EC2	3 EC2	19.2 T ₂ (1:10)	24.1 (1:10)	33 (1:10)	27T ₄ (1:10)	30T ₄ (1:10)	EC1 Ext+tl.
E	0.62 ng	0305804	1	2SP (1:10)	1.1 SP	3 SP	19.2	25.8	27T ₅	30T ₆		EC2 Ext+tl.
F	0.31 ng	1 (1:10)			2 EC1	19.2 (1:10)	25.8 (1:10)	27T ₁ (1:10)	30T ₁			SP Ext+tl.
G	0.15 ng	0203115	0306033	1.1 T ₁	0305837	2 EC2	22.7	25.19	27T ₂	30T ₁ (1:10)		Q Ext+tl. Cx
H	0 ng	48 (1:10)	1.2 T ₁		2 SP	22.7 (1:10)		27T ₂ (1:10)	30T ₂			Q Ext+tl. Q org

0303339

crw

15 July 03



**AMPLIFICATION AND
SAMPLE WELL POSITION WORKSHEET**

Date of amplification: 15 July 03
Analyst: CW

Crime Lab #(s):

0203115 0303339
0306033 0303340
0305804 0305330
0305806 0305837
0106747 0305136
0118667

Profiler Plus: Cofiler:

Master Mix:

598.5 µL Reaction Mix (# samples X 10.5 µL reaction mix)
28.5 µL Taq Gold DNA Polymerase (# samples X 0.5 µL Taq)
313.5 µL Primer Set (# samples X 5.5 µL)

Thermocycler 2400

Front

	2426	2427A	2427B	2428	2429	2430	2431	2432	2433	2434	2435
	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	
	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	
	2476	2477	2478	2479	2480	2481					
	2456	2457	2458 <i>(CW)</i>	2459	2460	2461	2462	2463	2464	2465	
	2466	2467 <i>(9947A)</i>	2468 <i>(q Amp)</i>	2469	2470	2471	2472	2473	2474	2475	

Thermocycler 9700

Front

**AMPLIFICATION AND
SAMPLE WELL POSITION WORKSHEET**

Date of amplification: 21 July 03
Analyst: Cuw

Crime Lab #(s):

<u>030004T</u>	<u>0303339</u>
<u>0203115</u>	<u>0303340</u>
<u>0306033</u>	<u>0305330</u>
<u>0305804</u>	<u>0305136</u>
<u>0305806</u>	

Profiler Plus: ✓COfiler: ✓

PP 50 Master Mix:
84.0 294.0 μL Reaction Mix (# samples X 10.5 μL reaction mix)
1.0 4.0 μL Taq Gold DNA Polymerase (# samples X 0.5 μL Taq)
44 154.0 μL Primer Set (# samples X 5.5 μL)

Thermocycler 2400

Front

	2451R PP	2452R PP	2482 PP	2483 PP	2484 PP	2485 PP		2486 PP 99474	2487 PP 0Amp		
	2382 CO		2426 CO	2427A CO	2427B CO	2428 CO	2429 CO		2430	2431	2432
	2436 CO	2449 CO	2451 CO	2452 CO	2456 CO	2457 CO	2458 CO	2462 CO	2461 CO	2469 CO	2471 CO
	2463 CO	2464 CO	2465 CO	2466 CO		(9A+7A) 2467 CO CO	0Amp 2468 CO		2479 CO	2481 CO	

Thermocycler 9700

Front